Dominion Energy Services, Inc. 5000 Dominion Boulevard Glen Allen, VA 23060 DominionEnergy.com

Written Correspondence: PO Box 45360 Salt Lake City, UT 84145



RECEIVED

OCT 3 1 2019

Enforcement and Compliance Assurance Division

October 30, 2019

EPA Region VIII
Director, Air and Toxics Technical Enforcement Program
Office of Enforcement, Compliance and Environmental Justice
Mail Code 8ENF-AT
1595 Wynkoop Street
Denver, Colorado 80202-1129

Wyoming Department of Environmental Quality Air Quality Division 200 West 17th Street Cheyenne, Wyoming 82002

RE: NSPS Subpart OOOOa Annual Report

To Whom It May Concern:

Wexpro Company (dba Dominion Energy Wexpro) is submitting the enclosed annual New Source Performance Standards for Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced after September 18, 2015 (NSPS Subpart OOOOa) report for Well Completions and Fugitives for reporting period August 2, 2018 – August 1, 2019. The report is for the following locations:

Well Name	US Well ID	State	County
Canyon Creek Unit 79	49-037-29459		
Canyon Creek Unit 82	49-037-29457		
Canyon Creek Unit 83	49-037-29458		
Canyon Creek Unit 225	49-037-29460		
Canyon Creek Unit 226	49-037-29461		
Trail Unit 68	49-037-28661		
Canyon Creek Unit 35	49-037-25276	Westers	0
Trail Unit 49	49-037-28684	Wyoming	Sweetwater
Trail Unit 53	49-037-28682		
Trail Unit 54	49-037-28681		
Trail Unit 95	49-037-28683		
Trail Unit 67	49-037-28660		
Trail Unit 71	49-037-28662		
Trail Unit 104	49-037-28665		

Canyon Creek Unit 174
Canyon Creek Unit 160
Canyon Creek Unit 77
Canyon Creek Unit 134
Canyon Creek Unit 78
Canyon Creek Unit 131
Whiskey Canyon Unit 12 49-037-28990 Canyon Creek Unit 76 49-037-28992 Canyon Creek Unit 64 49-037-28473 Whiskey Canyon Unit 15 49-037-29617 Whiskey Canyon Unit 13 49-037-29618 Whiskey Canyon Unit 10 49-037-29619 Whiskey Canyon Unit 9 49-037-29620 Whiskey Canyon Unit 8 49-037-29621 Whiskey Canyon Unit 5 49-037-29622 Trail Unit 83 49-037-29020
Canyon Creek Unit 76
Canyon Creek Unit 64 49-037-28473 Whiskey Canyon Unit 15 49-037-29617 Whiskey Canyon Unit 13 49-037-29618 Whiskey Canyon Unit 10 49-037-29619 Whiskey Canyon Unit 9 49-037-29620 Whiskey Canyon Unit 8 49-037-29621 Whiskey Canyon Unit 5 49-037-29622 Trail Unit 83 49-037-29020
Whiskey Canyon Unit 15 49-037-29617 Whiskey Canyon Unit 13 49-037-29618 Whiskey Canyon Unit 10 49-037-29619 Whiskey Canyon Unit 9 49-037-29620 Whiskey Canyon Unit 8 49-037-29621 Whiskey Canyon Unit 5 49-037-29622 Trail Unit 83 49-037-29020
Whiskey Canyon Unit 13 49-037-29618 Whiskey Canyon Unit 10 49-037-29619 Whiskey Canyon Unit 9 49-037-29620 Whiskey Canyon Unit 8 49-037-29621 Whiskey Canyon Unit 5 49-037-29622 Trail Unit 83 49-037-29020
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Trail Unit 83 49-037-29020
Trail Unit 155 49-037-29602
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Canyon Creek Unit 67 49-037-28476 Wyoming Sweetwater
Canyon Creek Unit 65 49-037-28474
Canyon Creek Unit 66 49-037-28475
Canyon Creek Unit 153 49-037-28909
Canyon Creek Unit 11-30 49-037-29281
Canyon Creek Unit 220 49-037-29502
Canyon Creek Unit 227 49-037-29507
Canyon Creek Unit 221 49-037-29506
Trail Unit 177 49-037-30278
Trail Unit 105 49-037-30274
Trail Unit 106 49-037-30275
Trail Unit 82 49-037-29019
Trail Unit 84 49-037-29021
Trail Buffer 22-9 49-037-30285

Wexpro Company – NSPS Subpart OOOOa Annual Report October 30, 2019 Page 3

As identified in the enclosed report, Dominion Energy Wexpro determined there was one controller modification at Canyon Creek Unit 11-30 that deviated from the requirements of §60.5390a(c). In March 2019, low-bleed misers were replaced with high bleed misers routed to a closed loop system equipped with a control device. In July 2019 it was identified that a control panel cover did not fit tightly, therefore allowing gas to leak to the atmosphere instead of being vented to the closed loop system. On the day of discovery, the high-bleed misers were removed and replaced with low-bleed misers compliant with §60.5390a(c). This deviation was also reported in a request for a Permit to Operate dated October 4, 2019.

If you should have any questions, please contact Alan Ball at (804) 273-3912 or wesley.a.ball@dominionenergy.com.

Sincerely,

(b)(6)

Thomas N. EffInger

Director, Environmental Services

CERTIFICATE OF DATA ACCURACY Annual Report - OOOOa October 25, 2019

Company Name:	Wexpro Company
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US Well ID and

Facility Name:	49-037-29459	Canyon Creek Unit 79
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49-037-29457 Canyon Creek Unit 82 49-037-29458 Canyon Creek Unit 83

49-037-29460 Canyon Creek Unit 225

49-037-29461 Canyon Creek Unit 226

49-037-28661 Trail Unit 68

49-037-25276 Canyon Creek Unit 35

49-037-28684 Trail Unit 49 49-037-28682 Trail Unit 53

49-037-28681 Trail Unit 54

49-037-28683 Trail Unit 95

49-037-28660 Trail Unit 67 49-037-28662 Trail Unit 71

49-037-28665 Trail Unit 104

49-037-28704 Canyon Creek Unit 174

49-037-28705 Canyon Creek Unit 178 49-037-28700 Canyon Creek Unit 160

49-037-28995 Canyon Creek Unit 77

49-037-28996 Canyon Creek Unit 134

49-037-28989 Canyon Creek Unit 78

49-037-28991 Canyon Creek Unit 131

49-037-28990 Whiskey Canyon Unit 12

49-037-28992 Canyon Creek Unit 76

49-037-28473 Canyon Creek Unit 64

49-037-29617 Whiskey Canyon Unit 15

49-037-29618 Whiskey Canyon Unit 13

49-037-29619 Whiskey Canyon Unit 10

49-037-29620 Whiskey Canyon Unit 9

49-037-29621 Whiskey Canyon Unit 8

49-037-29622 Whiskey Canyon Unit 5

49-037-29020 Trail Unit 83

49-037-29602 Trail Unit 155

49-037-28476 Canyon Creek Unit 67

49-037-28474 Canyon Creek Unit 65

49-037-28475 Canyon Creek Unit 66

49-037-28909 Canyon Creek Unit 153

49-037-29281	Canyon Creek Unit 11-30
49-037-29502	Canyon Creek Unit 220
49-037-29507	Canyon Creek Unit 227
49-037-29506	Canyon Creek Unit 221
49-037-30278	Trail Unit 177
49-037-30274	Trail Unit 105
49-037-30275	Trail Unit 106
49-037-29019	Trail Unit 82
49-037-29021	Trail Unit 84
49-037-30285	Trail Buffer 22-9

Facility Address: 2221 Westgate Drive

Rock Springs, WY 82901

Certification: I, <u>Brady B. Rasmussen</u>, certify that I am a company officer or plant manager or authorized representative of the facility identified above, authorized to make this affidavit. I further certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this document are true, accurate, and complete.

Brady B. Rasmussen

Vice President and General Manager, Wexpro Company

40 CRF Part 60 - Standards of Performance for Coule OII and Natural Size Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5405(a) Annual Report For each offsected Section, on aware or operator must include the information operation operated by EUIO Westign (b) of this section in all annual reports.

The asserbit (*) meet to sooth field indicates that the consequenting field is required.

	K. Company e.g. XV Section Company Company Company Company Tall Unit Company Tall Unit Tall Unit	Interference * Mon(h(x101)) Comparation 4.9 0.22-9 49 14 15 16 17 18 19 19 19 19 19 19 19 19 19	12-545-67890-12	Address of Affected facility * (990-5427w/b/1303) e.g. (123 Main Novel	Address I	CBy*	County *	State Abbreviation	28p Code *	Responsible Agency facility ID (State Facility	Description of Site Location, (900.542566/1100)	Latificial of the Site (decimal degrees to 5 decimals uping the fourth-American Datien of	Longitude of the Sitz (decimal degrees to 5 decimals using the North	Regioning Cale of Reporting Period.*	Ending Date of Seperting Period."	Please provide the file name that contains the certification signed by a qualified professional angineer for each closed vent system routing to	Please enter	Enter associated 5
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15 Wespro Co		resil Unit 221 49		2223 Westgote Drive		Rock Springs		W.T.	82901		NW NE 36-139-30194			8/2/2018			Canyon Creek Pa	48 779
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34 Wespro Co		January Lindt 189		2223 Westgate Drive		forth Springs		WY			25 AM 14-198-305W			8/3/2058			Ministry Carryon	
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40 CR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 36, 2015 - 60.542(a(s)) Annual Report For each well affected facility, an owner or operator must include the information specified in paragraphs (b)(2)(i) through (iii) of this section is all annual reports:

For each well affected facility, an owner or operator must include the information specifi	led in paragraphs (b)(2)(i) through (iii) of th	is section in all annual reports:	
The axterisk (*) next to each field indicates that the corresponding field is required.			
	860.5482a Low Pressure Wells	All Well Completions	

(Select from (Select from (ropdown lat - may ment to accord or)	United States Well Number* (§60.5420e(b)(1)(ii))	Records of deviations where well completion operations with hydraulic fracturing error aut. performed in compliance with the expeliaments, specified in § 46.573%. * [60.5420a0(128)] and \$60.5420a(cl(128))	Please provide the file name that contains the flexord of Determination and Supporting inputs and Calculations * (§60.5420e(b)(2)(iii) and §60.5420e(b)(2)(iii) end §60.5420e(b)(iii) one file per record.	West Completion ID * (§60.5420e(b)[7]8] and §60.5420e(c)[1](7]	Well Location * (\$60.5420x(4)(3)(6) and \$60.5420x(4)(3)(6)(A)-(8)(Following Hydraulic Fracturing or Refracturing	Time of Choet of Flowback following Hydraulic Fracturing or Refracturing (\$60.54204(b)(2)(i)) and \$60.54204(b)(2)(i)(ii),4-(b))	Direct Flowback to a Separator * (\$60.5430a(b)(23(i)) and	Time of Each Attempt to Direct Nowhack to a Separator * (\$40.5420a(c)(30/08/A)-(8)
	ne: 12-345-67890-12	e.g.; On October 12, 2016, a separator was not onafte for the first 3 hours of the flowback period.	e.g.: lowpressure.pdf or #YZCompressorStation.pdf	e.g.: Completion ABC	e.g.: 34.12345 instructe, -101.12145 longitude	e#:10/16/16	eg: 10 am	*6/10/10/10	eg: 50 am.
1	49-057-30285			Trail Buffler 22-9	(b) (9)	11/3/2018	21:90	11/4/2018 12/3/2018	13:14 23:00
2	49-037-29021			Trail Unit 84		£1/0/2018	38-00	11/9/2018	8:0X 17:00
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	49-037-30275			Their Unit 106		10/30/2018	20:00	11/28/2018 10/10/2018 11/4/2018 11/20/2018	72:00 27:00 72:10 18:00
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	49-017-30278			Trail Unit 172		10/28/7018		30/30/2018 11/14/2016	2:9 22:9 21:9
,	49-017-29500			Canyun Creek Unit 221.		10/24/2018	31:00	10/27/2018 11/12/2018 11/28/2018 12/8/2018	0:00 12:00 14:00 14:00
	49-037-29507			Canyon Creek Unit 227		10/26/2018	18:00		18:00 19:12 0:00
,	49-017-29502			Canyon Creek Unit 220		10/25/2018	19-00	10/27/2018 11/8/2018 11/8/2018 11/9/2018	72.00 0.00 0.00 15.00 19.15
10	49-017-29281			Canyon Creek Unit 11-30		10/21/2018	5.10	31/10/2018 30/24/2018 30/25/2018 30/25/2018 31/10/2018	19:30 21:00 22:00 23:00 19:40
11	49-017-28909			Canyon Creek Unit 153		9/30/2018	5/10		2.00
	49-017-28475			Carryon Creek Unit 66		9/90/2018	10:10		20:10
	49-017-28474			Canyon Creek Unit 45		9/30/2018	12:05		16-00 20-10
14	49-017-28476			Canyon Creek 67		9/30/2018	2:00	10/6/2018 10/7/2018 10/9/2018	11.00 10-00 18:05

Well Affected Fa	clittles Required I	to Comply with \$60	1.51575a(a) and	\$60.5375a(5

Flowback Stage *	of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and	Permanently Disconnected or the Startup of Production *	Time Well Shut In and Foreback Equipment Permanently Disconnected or the Startup of Production * (\$60.54204(x(2))) and \$60.54204(x(2))(0)(A)-{8()}	Duration of Flowback in Hours * (§60.5420x(b)(2)() and §60.5420x(c)(1)(x)((A)-(B))	Duration of Recovery in House (Not Required for Wells Complying with \$65.53750()) (\$65.5420a(x)(1)(0)(A))	Disposition of Recovery * 1§40.5420w(c)(2)(0) and §40.5420w(c)(1)(W)(A)-(R))	Duration of Combustion in Hours.* (§60.54204(5)(2)() and 660.54204(3)(10(64)-(8))	Hours *	Reason for Venting in Sev of Capture Combustion * (960.5420(b)(2)) and (960.5420(c)(1)(0)(A) (8))
4:30/36/36 e.	4:30 LA	eg: 30/34/18	ngi Man.	44/5	ng/5	eg. Used as croite fael	ea:5		e.g. No onute storage or combustion u was available at the time of completion
12/3/2018	2005	12/14/2018	200	210.92			191.7	19.32	
		12/4/2018	7:00	271.67			250.67	10	
		12/4/2018	7:00	936.5			279.5	407	
		11/24/2018	7.00	259.5			257.5		
11/16/2018	1700	11/99/2018	7:00	358.33			563.13		
				-					
10/10/2014	2000	11/26/2018	7:00	367			1.48	ja ja	
11/14/2018 12/4/2018	21:00 14:15		7:00	561.60			578.58	1.25	
		11/17/2018	7:00	178.75			172.75		
		11/17/2018	7:00	811.75			129.75		
		12071010	-	111.00			34875		
10/25/2018	19:00	11/17/2018	7:00	170 58			229.5	41.08	
11/6/2018	16:00								
10/15/2016	17:45						84		
10/1/2015	10.00	1/25/2019					9.83		
10/7/2018	10:00 18:00		7:00	174.88			27.81	147.05	
10/12/2018	13:35								
	-	1/25/2019	7:00	192.28			34.17	111.87	

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic controller affected facility, an owner or operator must include the information specified in paragraphs (b)(5)(f) through (iii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

					Pneumatic Controllers with a Natur	al Gas Bleed Rate Greater than 6 sofh	
(Select from dropdown list - may need to scroll up)	Pneumatic Controller Identification * (§60.5420a(b)(1)(ii), §60.5420a(b)(5)(i), and §60.5390a(b)(2) or §60.5390a(c)(2))	Was the pneumatic controller constructed, modified or reconstructed during the reporting period? (\$60.5420a(b)(5)(i))	100 100 100 100 100 100 100 100 100 100	Year of Installation, Reconstruction, or Modification* (\$60.5420a(b)(\$)(i) and \$60.5390a(b)(2) or \$60.5390a(c)(2))	Documentation that Use of a Pneumatic Controller with a Natural Gas Bleed Rate Greater than 6 Standard Cubic Feet per Hour is required * (§60.5420s(b)(5)(ii))	Reasons Why * (560.5420a(b)(S)(ii))	Records of deviations where the pneumati controller was not operated in compliance with requirements* (§60.5420a(b)(5)(iii) and §60.5420a(c)(4)(v)
	The state of the s		e.g.: February	e.g.: 2017	e.g.: Controller has a bleed rate of # scfh.	e.g.: safety bypass controller requires use of a high-bleed controller	e.g.: Controller was not tagged with month and year of installation.
10	Canyon Creek Unit 11-30 misers	constructed	March	2019	N/A	In March 2019, low-bleed misers were replaced with high-bleed misers routed to a closed loop system equipped with a control device.	In July 2019 it was identified that a control panel cover did not fit tightly, therefore allowing gas to leak to the atmosphere instead of being vented to the closed loop system. On the day of discovery, the high-bleed misers were removed and replaced with low-bleed misers compliant with 60.5390a(c).

Leak Detection and Repair (LDAR) Recordkeeping Form

Facility Name:	Canyon Creek 11	-30 Pad (Facility Record	Sumbers 7, 8, 9 and 10)						
API			County:		Sweetwater				
Location (decimal degrees):	Latitude:		Longitude	ec .		Section, Townshi p, Range:			
Date of Inspection:	12/12/2018	Inspection Type:	FLIR	Initial AIMM	X	Periodic BI-ANNUAL			
Method used for inspection (i.e. Meth	od 21, IR Camera, AVC			FLIR Camera (NU	C prior to operating)				
Name of person completing inspection	1:	(b) (6)							

Section	2.	Summ:	arv of	Leaking	Component	re

nponents	
# Leaks	
0	
6	
0	
0	
0	
6	
	# Leaks 0 6 0 0 0 6

Start time 9:13 am End time 10:00 am Temperature 23 degrees Conditions overcast Maximum wind 3

mph Monitoring instrument used FLIR GF 320 Deviations from monitoring plan none Type of difficult to monitor components none Number of each difficult to monitor component type none Type of unsafe to monitor component none Number of each unsafe to monitor component type none Type of instrument used to resurvey repaired components FLIR GF 320 Training and experience of surveyor ITC certified since April 8 2015 ID #88773 Expiration date April 8 2020

Section 3: Leaking Components Details

Component	Component Type	Monitoring Method Used	Date of 1 st Repair Attempt	Date(s) of Additional Repair Attempts	Date(s) of Remonitoring	Result(s) of Remonitoring	Date of Successful Repair	Repair Delayed (See Table 3)
1	3/8" fitting CC 11-30	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
2	Locknut oil mizer CC 11-30	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
3	1/2" fitting CC 221	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
4	1/2" fitting CC 221	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
5	3/8" fitting CC 11-30	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
6	1/2" fitting CC 221	FLIR	12/12/2018		12/12/2018	Fixed leak	12/12/2018	
							_	

¹ If more components need to be reported than room available, please add additional leaking components to Table 2 Addendum form on page 3 of this document.

Reason for Delay (detailed description) Reason for Delay (detailed description) Date Delay No Longer Component ID or Components Identified as Unsafe, Difficult, or Inaccessible Component ID or Component Explanation Why Component Listed and Plan for Monitoring Explanation Why Component Listed and Plan for Monitoring Additional Comments: Table 2 Addendum: Monitoring and Repair of Leaking Components Leaking Component Monitoring Repair Additional Repair Remonitoring Date of 1st Date(s) of Result(s) of Remonitoring Result(s) of Remonitoring Successful Successful Successful Successful Successful Successful Successful Successful Repair Additional Repair Remonitoring Result(s) of Remonitoring Successful S		elay of Repair List	led to Delay of Repa	ir List				
Additional Comments: Table 2 Addendum: Monitoring and Repair of Leaking Components Leaking Component Type Method Used Attempt Additional Repair Remonitoring Result(s) of Remonitoring Result(s) of Remonitoring Successful Successful Spensific Secretary Additional Repair Remonitoring Remonitoring Remonitoring Successful Spensific Secretary Remonitoring Re			Reason for D	Delay (detailed description	on)		Date Delay No	Longer
Table 4: List of Components Identified as Unsafe, Difficult, or Inaccessible Component ID or Component Explanation Why Component Listed and Plan for Monitoring Additional Comments: Table 2 Addendum: Monitoring and Repair of Leaking Component Leaking Component Type Method Used Repair Additional Repair Remonitoring Method Used Attempts Additional Repair Remonitoring Additional Repair Remonitoring Remonitoring Date of Successful (See Delay Repair Remonitoring Remo								
Table 4: List of Components Identified as Unsafe, Difficult, or Inaccessible Component ID or Component Explanation Why Component Listed and Plan for Monitoring Additional Comments: Table 2 Addendum: Monitoring and Repair of Leaking Component Leaking Component Type Method Used Repair Additional Repair Remonitoring Method Used Attempts Additional Repair Remonitoring Additional Repair Remonitoring Remonitoring Date of Successful (See Delay Repair Remonitoring Remo								
Table 4: List of Components Identified as Unsafe, Difficult, or Inaccessible Component ID or Component Explanation Why Component Listed and Plan for Monitoring Additional Comments: Table 2 Addendum: Monitoring and Repair of Leaking Components Leaking Component Type Method Used Repair Additional Repair Remonitoring Remonitori								
Table 4: List of Components Identified as Unsafe, Difficult, or Inaccessible Component ID or Component Explanation Why Component Listed and Plan for Monitoring Additional Comments: Table 2 Addendum: Monitoring and Repair of Leaking Component Leaking Component Type Method Used Repair Additional Repair Remonitoring Method Used Attempts Additional Repair Remonitoring Additional Repair Remonitoring Remonitoring Date of Successful (See Delay Repair Remonitoring Remo	ection 5: Ur	nsafe. Difficult, or	r Inaccessible to Mo	onitor				
Additional Comments: Table 2 Addendum: Monitoring and Repair of Leaking Components Leaking Component Type Method Used Attempt Additional Repair Remonitoring Result(s) of Remonitoring Result(s) of Remonitoring Successful Successful Successful Successful Separate Additional Repair Remonitoring Remonitoring Remonitoring Remonitoring Remonitoring Successful Separate Separ	Table 4: List	of Components Idea	ntified as Unsafe, Di	fficult, or Inaccessible	e ent Listed and Plan for Monitoring		P10/70/2110	
Table 2 Addendum: Monitoring and Repair of Leaking Components Leaking Component Type Method Used Attempt Attempt Remonitoring Repair Additional Repair Remonitoring Remonitoring Repair Remonitoring Remonitoring Result(s) of Remonitoring Result(s) of Remonitoring Result(s) of Remonitoring Result(s) of Remonitoring Re	component	10 01	iomponent E	Apranacion why compone	ent Listed and Ptary of Monitoring			14.2.11
Component Type Method Used Attempt Repair Remonitoring Repair Remonitoring Repair Remonitoring Remonitoring Repair Remonitoring Remonit								
Table 2 Addendum: Monitoring and Repair of Leaking Components Leaking Component Type Method Used Attempt Attempt Remonitoring Repair Additional Repair Remonitoring Repair Remonitoring Repair Remonitoring Repair Remonitoring Result(s) of Remonitoring Repair Remonitoring Result(s) of Remonitoring Repair (Secretary Remonitoring Re								
Table 2 Addendum: Monitoring and Repair of Leaking Components Leaking Component Type Method Used Attempt Attempt Remonitoring Repair Additional Repair Remonitoring Repair Remonitoring Repair Remonitoring Repair Remonitoring Result(s) of Remonitoring Repair Remonitoring Result(s) of Remonitoring Repair (Secretary Remonitoring Re								
Leaking Component Type Monitoring Method Used Attempt Attempt (Secondary Component Type Method Used Attempt Attempt (Secondary Component Type Method Used Method Method Used Method Used Method Used Method Method Method Used Method M								
Component Type Method Used Attempt Repair Remonitoring Repair Remonitoring Repair Remonitoring Remonitoring Repair Remonitoring Remonit		ndum: Monitoring a	and Repair of Leakin	TO THE THE PARTY OF THE PARTY O				Repair
	Component			Repair	Additional Repair	Result(s) of Remonitoring	Successful	Delayed (See Table 3)
								+

Leak Detection and Repair (LDAR) Recordkeeping Form

Facility Name:	Canyon Creek	33/79 Pad (CC 225 CC 226	CC 82 CC 8	3 CC33) (Facility	Record Number 15, 16, 17,	18 and 19)	
API	49-037-29459		County:		Sweetwater		
Location (decimal degrees):	Latitude:	(b) (9)	Longitue	de:	(b) (9)	Section, Townshi p, Range:	SE SE 3-12N-101W
Date of Inspection:	8/23/2018	Inspection Type:	FLIR	Initial AIMM	X	Periodic	BI-ANNUAL
Method used for inspection (i.e. Me	thod 21, IR Camera, A'	VO, etc):		FLIR Camera (NI	JC prior to operating)		
Name of person completing inspect	ion:	(b) (6)					
Section 2: Summary of Leaking (Components						
Table 1: Summary of Leaking Com	ponents						
Component Type	Leaks Start t	ime 11:27 an	n End time 12:01 pr	m Temperature 70 degrees	Conditions hazy M	laximum wind 4	
	2				m Temperature 70 degrees of GF 320 Deviations from m		
Component Type Valves: Connectors:	2 0	mph M	lonitoring in	strument used FLIF		onitoring plan nor	Type of difficult to
Valves:	2 0 0	mph M monit	lonitoring in or componer	strument used FLIR ats none Number of	GF 320 Deviations from m	omponent type non	Type of difficult to Type of unsafe to
Valves: Connectors: Flanges:	2 0 0 0	mph M monite monite	lonitoring in or componen or componen	strument used FLIR ats none Number of t none Number of e	GF 320 Deviations from m each difficult to monitor co	omponent type non- ponent type none T	Type of difficult to Type of unsafe to ype of
Valves: Connectors:	2 0 0 0 0	mph M monit monito instru	onitoring in or componen or componen ment used to	strument used FLIF ats none Number of t none Number of e resurvey repaired	GF 320 Deviations from m each difficult to monitor co ach unsafe to monitor com	conitoring plan nor component type non ponent type none T craining and experi	Type of difficult to Type of unsafe to ype of

Section 3: Leaking Components Details

Component	Component Type	Monitoring Method Used	Date of 1 st Repair Attempt	Date(s) of Additional Repair Attempts	Date(s) of Remonitoring	Result(s) of Remonitoring	Date of Successful Repair	Repair Delayed (See Table 3
1	Tubing wing valve CC 225	FLIR	8/23/2018	8/27/2018	9/4/2018	Fixed leak	8/27/2018	
2	Regulator plug CC 83	FLIR	8/23/2018	8/27/2018	9/4/2018	Fixed leak	8/27/2018	

⁺ If more components need to be reported than room available, please add additional leaking components to Table 2 Addendum form on page 3 of this document.

Table 3: Lis	t of Components	added to Delay of R	epair List						
Component II				letailed description)				Date Delay No	Longer
		1							
Section 5:	Unsafe, Difficult	or Inaccessible to	o Monitor						
		dentified as Unsafe							
Compone	nt ID or	Component	Explanat	tion Why Componen	t Listed and Plan for Monitoring	3			
4 4 4 4 4 1 6									
Additional C									
Table 2 Add	lendum: Monitorii	ng and Repair of Le	aking Com	ponents					
Leaking Component ID	Component Type	Monitori Method U		Date of 1st Repair Attempt	Date(s) of Additional Repair Attempts	Date(s) of Remonitoring	Result(s) of Remonitoring	Date of Successful Repair	Repair Delayed? (See Table 3)
									+
								-	_
	** ***								-
	Facility Name	(b) (9)	ie		Longitude	API	Legal Description		
	Canyon Creek 225	(b) (a)				49-037-29460	NW NE 36-13N-101W	-	+
	Canyon Creek 226					49-037-29461	NW NE 36-13N-101W	-	+
	Canyon Creek 82					49-037-29457	NW NE 36-13N-101W	-	+
	Canyon Creek 83					49-037-29458	NW NE 36-13N-101W	-	+
	Canyon Creek 33					49-037-22386	NW NE 36-13N-101W	I	1

Leak Detection and Repair (LDAR) Recordkeeping Form

Facility Name:	Whiskey Canyo	n Pad 5 (Facility Record !	Number 39, 40	, 41, 42, 43 and 4	4)		
API	49-037-29622		County:		Sweetwater		
Location (decimal degrees):	Latitude:	(b) (9)	Longitude	9:	(b) (9)	Section, Townshi p, Range:	NE SW 24-13N-101W
Date of Inspection:	10/24/2018	Inspection Type:	FLIR	Initial AIMM	X	Periodic	BI-ANNUAL
Method used for inspection (i.e. Me	thod 21, IR Camera, AV	'O, etc):		FLIR Camera (N	UC prior to operating)		
Name of person completing inspect	ion:	(b) (6)					
Section 2: Summary of Leaking (Components						
Table 1: Summary of Leaking Com	ponents						
Component Type	# L	.eaks Start t	ime 9:01 AM	End time 9:33 AN	M Temperature 34 degrees (Conditions OVERO	AST Maximum wind 3
Valves:	2	mph M	lonitoring inst	rument used FLI	R GF 320 Deviations from n	nonitoring plan nor	e Type of difficult to
Connectors:	1	monit	or component	s none Number o	f each difficult to monitor co	omponent type non	e Type of unsafe to
Flanges:	0	monito	or component	none Number of	each unsafe to monitor com	ponent type none T	ype of
Pump Seals:	0	instru	ment used to r	esurvey repaired	components FLIR GF 320 T	raining and experi	ence of surveyor

ITC certified since April 8 2015 ID #88773 Expiration date April 8 2020

Pressure Relief Devices (PRD):
TOTAL
Section 3: Leaking Components Details

Component ID	Component Type	Monitoring Method Used	Date of 1 st Repair Attempt	Date(s) of Additional Repair Attempts	Date(s) of Remonitoring	Result(s) of Remonitoring	Date of Successful Repair	Repair Delayed (See Table 3)
1	Locknut on mizer WC 8	FLIR	10/24/2018		10/24/2018	Fixed leak	10/24/2018	
2	Regulator diaphragm WC 8	FLIR	10/24/2018	10/29/2018	10/30/2018	Fixed leak	10/29/2018	
3	Regulator diaphragm WC 9	FLIR	10/24/2018	10/29/2018	10/30/2018	Fixed leak	10/29/2018	

Section 4: D	elay of Repa	r List							
Table 3: List	of Componen	ts added to	Delay of Repair Li	ist					
Component ID	ar componen	.,	Reason for Delay	(detailed description)				Date Delay No I	reent
			Parada in Parad	A (continued and continued)				Date Stray (Cr.	
			_					_	
			_					-	
			_					_	
			_					_	
Section 5: U	insafe, Diffici	it, or Inac	cessible to Monito	10					
Table 4: List	of Componen			ult, or inaccessible					
Componen	t ID or	Compo	ment Expla	mation Why Component	Listed and Plan for Monitoring				
	_								
	_								
Additional Co									
Table 2 Adde	endum: Monito	oring and Ri	epair of Leaking Co	omponents				_	
Leaking				Date of tu	Date(s) of			Date of	Repair
	Component		Monitoring		Additional Repair	Date(s) of	Result(s) of Remonitoring		Delayed?
Component	Type		Method Used	Repair		Remonitoring	Result(s) or Remonstroring	Successful	(See
10				Attempt	.Attempts			Repair	Table 3)
									1
		_					-		+
		_		_			+	_	+
		_		_			-	-	-
_		_					-	-	-
_									-
									-
								1	
		_					1	_	1
_		_					+	-	-
		_					+	-	-
							-		-

Wexpro Com				
Canyon Cree		ntrol System Inspection Form		
Facility	Canyon Creek 16	2 Pad (Facility Record Number 29, 3	0, and 31)	
Legal:	SE/4	NE/4 Section16 T	12 N	R101W
Inspection Date	e: 8/2°	1/2018		
Inspector Name * All Inspectors r		have proof on the Training Log		
		Simplified Process Flow for	Condensate Tank to Co	ombustor
120	3)			(8)
			Heat Trace Pur	nps
(2)Separators		X	(5)	
		4		6 7
		Water tanks 2591 and 2592	Liquids Collection ta	nk Combustor
ID	Description	LEL Read	ding or Visual Inspection	Comments
				CEE COMMENTS DELOW
4.00				SEE COMMENTS BELOW
Separator				SEE COMMENTS BELOW
1	Rupture Disk - LE		ОК	SEE COMMENTS BELOW
1 2	Relief Valve - LEL	READING	OK	SEE COMMENTS BELOW
1	Relief Valve - LEL			SEE COMMENTS BELOW
1 2 3	Relief Valve - LEL Inspection of pipir	READING	OK	SEE COMMENTS BELOW
1 2 3	Relief Valve - LEL Inspection of pipir 2592	READING (inlet, outlet, dump lines)	OK OK	SEE COMMENTS BELOW
1 2 3 nks #2591 and 2	Relief Valve - LEL Inspection of pipir 2592 Inspection of pipir	READING	OK	SEE COMMENTS BELOW
1 2 3 nks #2591 and 2 4 5	Relief Valve - LEL Inspection of pipir 2592 Inspection of pipir	READING ng (inlet, outlet, dump lines) ng to collection tank	OK OK	SEE COMMENTS BELOW
1 2 3 nks #2591 and 2 4 5	Relief Valve - LEL Inspection of pipir 2592 Inspection of pipir Inspection of colle	READING ng (inlet, outlet, dump lines) ng to collection tank ection tank, plugs, valves	OK OK OK	SEE COMMENTS BELOW
1 2 3 nks #2591 and 2 4 5 Combustor 6	Relief Valve - LEL Inspection of pipir 2592 Inspection of pipir Inspection of colle Inspection of pipir	READING ng (inlet, outlet, dump lines) ng to collection tank ection tank, plugs, valves ng collection tank to combustor	OK OK OK	SEE COMMENTS BELOW
1 2 3 nks #2591 and 2 4 5	Relief Valve - LEL Inspection of pipir 2592 Inspection of pipir Inspection of colle Inspection of pipir Pilot and burner of	READING ng (inlet, outlet, dump lines) ng to collection tank ection tank, plugs, valves	OK OK OK	SEE COMMENTS BELOW

Annual Preventive Maintenance Program

* All seals and gaskets must be visually inspected to ensure proper operation of the air pollution control devices. Worn seals or gaskets that may effect the capture and control of air emissions must be replaced.

Findings and comments of inspection:

CC 162 locknut water mizer repaired 8/21/2018 reshot 8/21/2018

CC 174 3/8" fitting repaired 8/21/2018 reshot 8/21/2018

CC 178 1/4" fitting repaired 8/21/2018 reshot 8/21/2018

Inspection Date:

8/21/2018

Inspector Name:

Gary Allen

Additional Notes and Observations

Start time 1:12 pm End time 1:39 pmTemperature 68 degrees Conditions hazy Maximum wind 5 mph Monitoring instrument used FLIR GF 320 Deviations from monitoring plan none Type of difficult to monitor components none Number of each difficult to monitor component type none Type of unsafe to monitor component none Number of each unsafe to monitor component type none Type of instrument used to resurvey repaired components FLIR GF 320 Training and experience of surveyor ITC certified since April 8 2015 ID #88773 Expiration date April 8 2020

FLIR GF 320 IR CAMERA WAS USED FOR THIS INSPECTION

Wexpro uses a Draeger X-am 2000 Model motorized sampling pump combustible gas leak detection instrument

to check the system for leaks any reading of LEL above 0% will be considered a leak

General Process Flow Description

Liquids from the separator is directed to the tank and off gas sent to combustor via a closed piping system.

The flame of the combustor is continuously monitored by a thermocouple.



Dominion Energy CANYON CREEK PAD 64

Annual Report NSPS Subpart OOOOa PERIOD: 08/02/2018 - 08/01/2019

(Facility Record Numbers 11, 12, 13, 14 and 38)

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300) Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019



Company:		ion Energy	Report:	411	Annual LDAR	
District:		C - Wyoming CREEK PAD 64	Regulation(s):	N:	Oct 15, 2019	or .
cility Name:	// / / / / / / / / / / / / / / / / / / /	REEK PAU 64	Report Date:	2015 4 - 02		T 2010 A = 0
PS Coord. This report a	L(b) (9)	TO PERSON SERVICE AND A PROPERTY OF THE PERSON S	Period:	2018-Aug-02 emissions components at the	TO show referenced come	2019-Aug-0
Tilla raport o	and the responsition	nia di 40 di 11300.34200400.71	to the tonection of rightic	umazona companimo acon		
	li	formation required to	be reported per §6	0.5420a(b)(7)(i) - (vi)		
Monitorin	g Quarter	Q2	N/A	N/A	N/A	N/A
Survey Star	rt Date/Time	05/21/2019 10:13 AM	NIA	N/A	NA	NA
Survey End	d Date/Time	05/21/2019 10:40 AM	NIA	NA	NA	NA
	chnician	(b) (6)	N/A	N/A	NA	NA
Ambient	Temp. (*)	34	N/A	N/A	NA	NA
Sky Co	nditions	Overcast, >90% of the sky is covered by clouds	N/A	NA	N/A	N/A
Max. Wind S	Speed (MPH)	6	N/A	N/A	N/A	N/A
LDAR In	strument	Optical Gas Imaging/GFX- 320	N/A	N/A	N/A	NA
	i) Deviations from	No deviations from the Monitoring Plan	N/A	N/A	N/A	NA
	Explanation	N/A	N/A	NA	N/A	NA
	§60.5420a(b)(7)(vii) - Number and type o	f components for whi	ch fugitive emissions w	ere detected	
	Ives					
	ectors					+
	elief Devices					_
	ded Lines					+
	nges ressors					+
	ments					_
	ters					_
	her					_
	eaks Detected	0				+
		per and type of fugitive em	issions components I	that were not repaired a	s required in §60.53	397a(h)
Val	Ives					
Conn	ectors					
Pressure Re	elief Devices					
Open-En	ded Lines					
	nges					
	ressors					
	ments					
	ters					
Me	ters ter				ing the monitoring	survey as require
Me Ot	her	pe of components that wer	e tagged as a result o §60.5397a(h)(3)(ii).	f not being repaired du	my are monitoring	adirey as require
Me OI 5420a(c)(15)(ii)(i) Va	her (7) – Number and typ Ives			f not being repaired du	ing the monitoring	
Me Ot 5420a(c)(15)(ii)(i) Val Conn	her (7) – Number and typ lves ectors			f not being repaired du	ing the monitoring	
Me Ot 5420a(c)(15)(ii)(i) Val Conn Pressure R	her)(7) – Number and typo lives ectors ellef Devices			f not being repaired du	my are mornormy	
Me Ot 5420a(c)(15)(ii)(i) Val Conn Pressure Ro Open-En	her)(7) — Number and typ ives ectors ellef Devices ded Lines			f not being repaired du	my are monitoring	
Me Or 5420a(c)(15)(ii)(i) Val Conn Pressure R Open-En	ther (7) – Number and typ lves sectors ellef Devices ded Lines nges			f not being repaired du	ng as montoring	
Me Or 5420a(c)(15)(ii)(I) Val Conn Pressure R Open-En Flat Comp	ther (7) - Number and typ lives ectors ellef Devices ded Lines nges ressors			f not being repaired du	ng as montony	
Me Ot 5420a(c)(15)(H)(I) Val Conn Pressure R Open-En Flai Compr	ther (7) - Number and types ectors ectors elef Devices ded Lines nges ressors uments			f not being repaired du	ing the mountaing	
Me Ot Ot SAZOM(C) 15)(II)(I) Val Conn Pressure Ri Open-En Flat Comptigues of the Comptigues of t	ther (T) — Number and type (Ves octors ellef Devices ded Lines nges ments ments ters			f not being repaired du	ng an montoring	
Me Ot S420a(c)(15)(ii)(i) Val Conn Pressure Ri Open-En Flat Comptigues of the structure of the structu	ther (T) - Number and type (Ves octors ellef Devices ded Lines nges ments ters ters ters		\$60.5397a(h)(3)(ii).			
Me Ott S420a(c)(15)(ii)(i) Val Conn Pressure R Open-En Flai Cempt Instru Me Ott \$60.54	ther (T) - Number and type (Ves octors ellef Devices ded Lines nges ments ters ters ters		\$60.5397a(h)(3)(ii).			
Me Ot S420a(c)(15)(ii)(i) Val Conn Pressure Ri Open-En Flat Comptigues of the	ther (7) - Number and typ (ves ectors electors ded Lines nges ressors ments ters her (20a(b)(7)(ix) - Number		\$60.5397a(h)(3)(ii).			
Me Ot 5420a(c)(15)(li)(l) Val Conn Pressure Ri Open-En Flat Compp Instru Me Ot \$60.54	ther (7) - Number and type (Ves octors ellef Devices ded Lines nges ments ters ters ters her (20a(b)(7)(ix) - Number (ves		\$60.5397a(h)(3)(ii).			
Me Ott 5420a(c)(15)(ii)(i) Vai Conn Pressure R Open-En Flaa Compi Instru Me Ott \$60.54	ther ((7) - Number and type (ves ectors ellef Devices ded Lines nges ters ments ters her (20a(b)(7)(ix) - Number ves ectors		\$60.5397a(h)(3)(ii).			
Me Ot 5420a(c)(15)(ii)(i) Vai Conn Pressure R Open-En Flat Compil Instru Mo Ot 560.54 Vai Conn Pressure R Open-En	ther ((7) - Number and type ((7) - Number and type ((7) - Number and type ((8) - Number and type		\$60.5397a(h)(3)(ii).			
Me Ot 5420a(c)(15)(ii)(i) Val Conn Pressure R Open-En Flat Cempt Instru Me Ot \$60.54 Val Conn Pressure R Open-En Flat	ther ((7) - Number and type ((7) - Number and type ((7) - Number and type ((8) - Number and type		\$60.5397a(h)(3)(ii).			
Me Ot S420a(c)(15)(l)(l) Val Conn Pressure Ri Open-En Flat Gempi Instru Me Ot \$60.54 Val Gonn Pressure Ri Open-En Flat Compi Conn Fressure Ri Conn Fressure Ri Conn Fressure Ri Conn	ther ((7) - Number and type (ves octors ellef Devices ded Lines nges ressors ments ters ters ters leer (20a(b)(7)(ix) - Number ves octors ellef Devices ded Lines nges ressors		\$60.5397a(h)(3)(ii).			
Me Ot 5420a(c)(15)(l)(l) Val Conn Pressure Ro Open-En Flai Gompi Instru Me Ot \$60.54 Val Conn Pressure Ro Open-En Flai Compi Instru	ther ((7) - Number and type ((7) - Number and type ((7) - Number and type ((8) - Number and type		\$60.5397a(h)(3)(ii).			
Me Ot 5420a(c)(15)(i)(i) Vai Conn Pressure R Open-En Flai Ren Ot \$60.54 Vai Conn Pressure R Open-En Flai Compilinstru Me	ther ((7) - Number and type (ves ectors elief Devices ded Lines nges ressors ments ters her (20a(b)(7)(ix) - Number (ves ectors elief Devices ded Lines nges ressors ments		\$60.5397a(h)(3)(ii).			



Fugitive Emissions Components Placed on DOR

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".

		Compone	ent		
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	5/21/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR			0		
Date Surveyed	Emission ID	Component Type	Current Repair Status	Delay of Explanation /	

Report Generated on: 10/21/2019



Fugitive Emissions Components Repaired During Reporting Period

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID #	Date of Successful Repair	Repair Confirmation Method / Instrument

Report Generated on: 10/21/2019



OGI Technician Training and Experience

Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

All Monitoring Technicians follow a protocol containing technical procedures, training requirements, and individual and team performance audits. This protocol ensures that each crew member follows a prescriptive training program. The training program includes minimum required field times for each module. Each module uses both written testing and on-site work performance audits to evaluate the crew member on their work performance.

Each crew member must successfully complete their training modules to be allowed to work as a member of the main field crew. The protocol also includes an audit program to evaluate work performance on an on-going basis. This system ensures that each crew member is adhering to the procedures and guidelines of the protocol.

Each monitoring technician:

- holds a strong knowledge of oil and gas operations and has a detailed understanding of the various processes that are involved in the transportation and processing on natural gas.
 - 2) is trained (certified) and experienced in the use of fugitive emission detection and measurement equipment;
- has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement
 - 4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
 - 5) received performance audits to ensure compliance to our prescriptive fugitive emission assessment protocol

The protocol contains technical procedures, training requirements, and individual and team performance audits. The purpose of our assessment protocol is to:

- 1) Maintain a high degree of Quality Control;
- 2) Ensure that all sources of fugitive emissions are identified;
- Ensure that all source data is consistently recorded to provide reliable and effective emission reduction recommendations.

This protocol eliminates the common problems and barriers that cause many programs to fail. Our staff are trained and audited to avoid many of the common fugitive emission program problems. Some of these common problems include:

- · Inexperienced with camera use and the concepts of infrared thermography
- · Not using multiple camera angles
- · Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
 - · Scanning too fast and missing components

Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation:

- Technician Self Check at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
- 2) Team Lead Review at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
- Project Manager Evaluation on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-May-21	(b) (6)	2015-Apr-08	54



Dominion Energy

CANYON CREEK PAD 134

(Facility Record Number 32, 33, 34, 35, 36 and 37)

Annual Report
NSPS Subpart OOOOa
PERIOD: 08/02/2018 - 08/01/2019

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300) Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019



Company:		nion Energy	Report:		Annual LDAR	
District:		C - Wyoming	Regulation(s):	NS	SPS Subpart 0000	1
cility Name:	- /I \ / /	REEK PAD 134	Report Date:	20015 2 - 55	Oct 15, 2019	
SPS Coord. This report sal	(b) (9) isfies the requirement	nts of 40 CFR660.5420a(b)(7)	Period:	2018-Aug-02 emissions components at the	TO above referenced comp	2019-Aug-0
The tepper and						The stations
		nformation required to				-
Monitoring	Quarter	Q2	N/A	N/A	N/A	N/A
Survey Start	Date/Time	2:14 PM	N/A	N/A	NA	N/A
Survey End I	Date/Time	04/11/2019 2:44 PM	NA	NA	NA	N/A
OGI Tech		(b) (6)	NA	NIA	NA	NA
Ambient Te	imp. (F)	34	NA	N/A	NA	N/A
Sky Cond	litions	Mostly Cloudy, 50%-90% sky is clouds	N/A	N/A	NA	N/A
Max. Wind Sp	eed (MPH)	7	N/A	N/A	NA	N/A
LDAR Inst	-	Optical Gas Imaging/GFX 320	N/A	N/A	NA	N/A
60.5420a(b)(7)(vi) Monitorin		No deviations from the Monitoring Plan	N/A	N/A	NA	N/A
Deviation(s) E	xplanation	N/A	NA	N/A	NA	N/A
	§60.5420a(b)(7)(vii) - Number and type o	f components for which	ch fugitive emissions we	ere detected	
Valve						
Pressure Reis		3				-
						_
Open-Ende						_
Flang						-
Compres						+
Meter						1
Othe						_
Total No. of Lea		3				_
		per and type of fugitive em	issions components t	hat were not repaired as	required in §60.53	97a(h)
Valve						
Connec	10-10-					-
Pressure Reli						-
Open-Ende						-
Flang						-
Compres						+
Instrum						_
Meter						+
		se of components that wer		f not being repaired duri	ing the monitoring	survey as require
Value	•		§60.5397a(h)(3)(ii).			
Connec						
Pressure Reli						
Open-Ende						-
Flang						_
Compres						
Înstrum						-
Meter						-
660.5420	Name and Address of the Owner, where	er and type of difficult-to-m	onitor and unsafe to	monitor funitive amission	on components mor	nitored
Valve				T		T
Connec						
Pressure Reli						
Open-Ende						
Flang						
Compres						
Compres	ents					



Fugitive Emissions Components Placed on DOR

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".

		Compone	ent		
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	4/11/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR			0		
Date Surveyed	Emission ID #	Component Type	Current Repair Status	Delay o Explanation /	f Repair Justification
	(



Fugitive Emissions Components Repaired During Reporting Period

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID #	Date of Successful Repair	Repair Confirmation Method / Instrument
2019-04-11	24210100	2019-Apr-11	Snoop
2019-04-11	24210101	2019-Apr-11	OGI
2019-04-11	24210102	2019-Apr-11	OGI

Report Generated on: 10/21/2019



OGI Technician Training and Experience

Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

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Each monitoring technician:

- 1) holds a strong knowledge of oil and gas operations and has a detailed understanding of the various processes that are involved in the transportation and processing on natural gas.
 - 2) is trained (certified) and experienced in the use of fugitive emission detection and measurement equipment;
- has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement
 - 4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
 - 5) received performance audits to ensure compliance to our prescriptive fugitive emission assessment protocol

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- 2) Ensure that all sources of fugitive emissions are identified;
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This protocol eliminates the common problems and barriers that cause many programs to fail. Our staff are trained and audited to avoid many of the common fugitive emission program problems. Some of these common problems include:

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- · Not using multiple camera angles
- · Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
 - · Scanning too fast and missing components

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- Technician Self Check at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
- 2) Team Lead Review at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
- Project Manager Evaluation on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-Apr-11	(b) (6)	2015-Apr-08	54



Dominion Energy CANYON CREEK UNIT 35

Annual Report
NSPS Subpart OOOOa
PERIOD: 08/02/2018 - 08/01/2019

(Facility Record Number 21)

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300) Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019



Company:		nion Energy	Report:		Annual LDAR	
District:		X - Wyoming	Regulation(s):	N.	SPS Subpart 0000	19
acility Name:	100	CREEK UNIT 35	Report Date:		Oct 15, 2019	1
SPS Coord.	I(b) (9)	ate of 40 CER (see 1430-0-17)	Period:	2018-Aug-02	то	2019-Aug-0
ins report	sausties the requiremen	nts of 40 CFR 560.5420a(b)(7)	for the collection of fugitive	emissions components at the	above referenced comp	pressor station.
	li	nformation required to	be reported per §6	i0.5420a(b)(7)(i) - (vi)		
Monitori	ng Quarter	Q2	N/A	N/A	N/A	N/A
Survey Sta	ert Date/Time	04/03/2019 12:25 PM	N/A	N/A	NA	NA
Survey Er	d Date/Time	04/03/2019 12:42 PM	NA	N/A	NA	N/A
	chnician notes fraing and Experience	(b) (6)	NA	N/A	NA	NIA
Ambient	Temp. (°F)	47	N/A	N/A	N/A	N/A
Sky C	onditions	Mostly Cloudy, 50%-90% sky is clouds	N/A	N/A	N/A	N/A
Max. Wind	Speed (MPH)	4.	N/A	N/A	N/A	N/A
LDAR	strument	Optical Gas Imaging/GFX- 320	N/A	N/A	N/A	NA
	vi) Deviations from ring Plan	No deviations from the Monitoring Plan	NA	N/A	NA	N/A.
) Explanation	N/A	N/A	N/A	N/A	N/A
	§60,5420a(b)(7)(vii) - Number and type o	of components for whi	ch fugitive emissions w	ere detected	HA ELL
	alves					
	nectors telief Devices	1				+
	nded Lines					+
	inges					_
	pressors					_
	uments					_
	eters					_
	ther					_
	Leaks Detected	1				_
		per and type of fugitive em	issions components t	hat were not repaired a	s required in §60.53	197a(h)
V	alves					-
	nectors					_
	Relief Devices					_
	nded Lines					_
	inges					_
	pressors					_
	uments					_
	eters					_
	Aher					_
		se of components that were	e tagged as a result of §60.5397a(h)(3)(ii).	f not being repaired dur	ing the monitoring	survey as require
v	alves					
V	nectors					
Con Pressure I	nectors Relief Devices					-
V. Com Pressure I Open-E	nectors tellef Devices aded Lines					
V. Con Pressure I Open-E	nectors tellef Devices anded Lines inges					
Vi Com Pressure I Open-E Fis Comp	nectors tellef Devices addd Lines ingus pressors					
Vi Com Pressure I Open-E Fit Comp Instr	nectors tellef Devices inded Lines inges pressors uments					
V. Com Pressure F Open-E Fit Com Instr	nectors tellef Devices inded Lines inges pressors uments					
V. Com Pressure I Open-E Fit Com Instr	nectors tellef Devices added Lines inges pressors tuments eters					
VI Com Pressure F Open-E Com Instr M	nectors tellef Devices aded Lines inges ressors tuments sters ther 420a(b)(7)(ix) - Numbo	pr and type of difficult-to-m	sonitor and uneafe-to-	monitor fugitive emissio	on components mo	nitored
Vi Com Pressure I Open E File Comp Instr M G	nectors tellef Devices added Lines inges pressors tuments eters	er and type of difficult-to-m	ionitor and uneafe-to-	monitor fugitive emissio	on components mo	nitored
Vi Com Pressure I Open-E Fit Com Instr M G G60.5	nectors tellef Devices aded Lines inges inges tressors turnents eters ther 420a(b)(7)(ix) - Number	er and type of difficult-to-m	ionitor and uneafe-to-	monitor fugitive emissic	on components mo	nitored
VI Com Pressure I Open-E File Com Instit M C \$60.5	nectors tellef Devices sided Lines singes singes times	er and typs of difficult-to-m	sonitor and uneafe-to-	monitor fugitive emissio	on components mo	nitored
VI. Com Pressure I Open-E File Com Instit M C \$60.5	nectors tellef Devices added Lines inges inges treesors uments eters ther 420a(b)(7)(ix) - Number thes inectors	er and type of difficult-to-m	ionitor and unsafe-to-	monitor fugitive emissio	on components mo	nitored
VI. Com Pressure F Open-E File Com Instr M G G G G G O F Com Pressure F Open-E File	nectors tellef Devices singes singes singes tellef Devices tuments seters ther 420a(b)(7)(ix) - Number sines sectors tellef Devices nectors	er and type of difficult-to-m	ionitor and uneafe-to-	monitor fugitive emissio	on components mo	nitored
VI Com Pressure F Com Instr M G G G G G C G G C C C C C C C C C C C	nectors tellef Devices anded Lines inges pressors uments sters ther 420a(b)(7)(ix) - Numbs sheet nectors tellef Devices anded Lines inges	pr and type of difficult-to-m	ionitor and uneafe-to-	monitor fugitive emissio	on components mo	nitored
VI Com Pressure I Open-E File Com Instr M G \$60.5 VI Com Pressure I Open-E File Com Instr	nectors tellef Devices added Lines inges inges inges sters ther 420a(b)(7)(ix) - Number elives nectors tellef Devices inded Lines inges inges	er and type of difficult-to-m	ionitor and unsafe-to-	monitor fugitive emissio	on components mo	nitored
VI Com Pressure I Open-E Fil Com Instr M G \$60.5 VI Com Pressure I Open-E Fil Com Instr M M M M M M M M M M M M M M M M M M M	nectors tellef Devices inded Lines inges inges tressors tuments eters ther 420a(b)(7)(ix) - Number efves nectors tellef Devices inded Lines inges inges inges inges	er and type of difficult-to-m	sonitor and uneafe-to-	monitor fugitive emission	on components mo	nitored



Fugitive Emissions Components Placed on DOR

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".

THE RESERVE OF THE PERSON NAMED IN						
Q2	N/A	N/A	N/A	N/A		
4/3/2019						
	0					
Emission ID	Component Type	Current Repair Status				
	4/3/2019 Emission ID	Emission ID Component	4/3/2019 0 Emission ID Component Current Repair	4/3/2019 O Emission ID Component Current Repair Delay of		



Fugitive Emissions Components Repaired During Reporting Period

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID #	Date of Successful Repair	Repair Confirmation Method / Instrument
2019-04-03	24210086	2019-Apr-03	Snoop



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OGI Technician Training and Experience

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-Apr-03	(b) (6)	2015-Apr-08	54



Dominion Energy

TRAIL BUFFER 22-16

(Facility Record Number 1)

Annual Report
NSPS Subpart OOOOa
PERIOD: 08/02/2018 - 08/01/2019

Prepared By:

Target Emission Services

800 Town and Country Blvd. (Suite 300) Houston, Texas, 77024

WWW.TARGETEMISSION.COM

Report Generated on: Oct 15, 2019



District		ion Energy V. Warming	Report:		Annual LDAR SPS Subpart 0000	
District: acility Name:		K - Wyoming UFFER 22-16	Regulation(s): Report Date:	N	Oct 15, 2019	u .
GPS Coord.	(b) (9)	DFTER 22-10	Period:	2018-Aug-02	TO	2019-Aug-0
		its of 40 CFR (60.5420a(b)(7)				
Honitor	ring Quarter	formation required to	N/A	0.5420a(b)(7)(i) - (vi	N/A	N/A
	S. 2. 32 S.	05/09/2019				
Survey St	tart Date/Time	12:27 PM	N/A	NA	N/A	NIA
Survey E	nd Date/Time	05/08/2019 12:50 PM	N/A	N/A	N/A	NA
	echnician	(b) (6)	N/A	NA	NA	NA
Ambier	nt Temp. ("F)	41	N/A	N/A	N/A	N/A
Sky C	Conditions	Mostly Cloudy, 50%-90% sky is clouds	N/A	NA	N/A	N/A
Max. Wind	Speed (MPH)	11	N/A	N/A	N/A	N/A
LDAR	Instrument	Optical Gas Imaging/GFX- 320	N/A	N/A	N/A	N/A
	(vi) Deviations from oring Plan	No deviations from the Monitoring Plan	NA	NA	NA	N/A
	s) Explanation	N/A	N/A	N/A	NA	NA
	§60.5420a(b)(7(vii) - Number and type o	f components for whi	ch fugitive emissions w	ere detected	
	/alves					
	Rattef Devices					+
	Ended Lines					+
	langes					
	pressors					
	truments					
	Veters					
	Other					
Total No. of	Leaks Detected	0				
§60.	5420a(b)(7)(viii) - Numb	per and type of fugitive em	ssions components t	hat were not repaired a	s required in §60.53	97a(h)
	/alves					T
	nnectors					
	Relief Devices					
	Ended Lines					
	langes					
	pressors					
Com	spressors					
	truments					
Inst						
Inst	truments Meters Other					
Insi 5420a(c)(15)(ii)	truments Neters Other (1)(7) – Number and typ	e of components that were	tagged as a result of (60,5397a[h)(3)(ii).	f not being repaired du	ing the monitoring	survey as required
1ns1 5420a(c)(15)(ii)	truments Neters Other (I)(7) - Number and typ			f not being repaired du	ing the monitoring	survey as required
5420a(c)(15)(ii)	truments Neters Other (IX7) - Number and typ Valves nectors			f not being repaired du	ing the monitoring	survey as required
5420a(c)(15)(ii) Coi Pressure	truments deters Other (I)(7) - Number and typ /alves nnectors Relief Devices			f not being repaired du	ing the monitoring	survey as required
5420a(c)(15)(ii) Coi Pressure Open-4	truments Neters Other (IX7) - Number and typ Valves nectors			f not being repaired du	ing the monitoring	survey as required
5420a(c)(15)(ii) Cor Pressure Open-f	truments Neters Other (IX7) - Number and typ Valves nectors Relief Devices Ended Lines			f not being repaired du	ing the monitoring	survey as require
5420a(c)(15)(ii) Cooperation	ruments deters Other (IX7) - Number and typ Valves neectors Relief Devices Ended Lines langes			f not being repaired du	ing the monitoring	survey as require
5420a(c)(15)(ii) Cor Pressure Open-F Cor Inst	truments Neters Other (I(X7) - Number and typ Valves neectors Relief Devices Ended Lines langes apressors			f not being repaired du	ing the monitoring	survey as require
5420a(c)(15)(ii) Cor Pressure Open-4 F Cor Insi	truments Neters Other (I(X7) - Number and typ Valves nectors Relief Devices Ended Lines langes spressors truments			f not being repaired du	ing the monitoring	survey as require
5420a(c)(15)(ii) Cor Pressure Open-4 F Con Inst	truments Meters Other (IX7) - Number and typ /alves nectors Relief Devices Ended Lines langes spressors truments Meters Other		(60,5397a[h)(3)(ii).			
5420a(c)(15)(ii) Cor Pressure Open-f F Con Inst	truments Meters Other (I)(7) - Number and typ /alves enectors Relief Devices Ended Lines langes apressors truments Meters Other 5420a(b)(7)(ix) - Number		(60,5397a[h)(3)(ii).			
5420a(c)(15)(ii) Cor Pressure Open-Institution	truments Meters Other (I)(7) - Number and typ /alves nnectors Relief Devices Ended Lines langes napressors fruments Meters Other 5420a(b)(7)(ix) - Number /alves nnectors		(60,5397a[h)(3)(ii).			
5420a(c)(15)(ii) Cor Pressure Open-4 F Cor Inst	truments Neters Other (I)(7) - Number and typ /alves nnectors Relief Devices Ended Lines langes npressors fruments Neters Other 5420a(b)(7)(ix) - Number /alves Relief Devices Relief Devices		(60,5397a[h)(3)(ii).			
5420a(c)(15)(ii) Co Pressure Open-Inst Inst Inst Inst Inst Inst Inst Inst	truments Meters Other (I(X7) - Number and typ Valves neectors Relief Devices Ended Lines langes apressors truments Meters Other Valves Relief Devices Ended Lines Relief Devices Ended Lines Relief Devices Ended Lines Relief Devices Ended Lines		(60,5397a[h)(3)(ii).			
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5420a(c)(15)(ii) Cor Pressure Open-I F Con Inst \$60.	truments Meters Other (I)(T) - Number and typ /alves nectors Relief Devices Ended Lines langes spressors truments Meters Other 5420a(b)(7)(ix) - Number /alves nectors Relief Devices Ended Lines langes spressors		(60,5397a[h)(3)(ii).			
5420a(c)(15)(ii) Cor Pressure Open-Insi Insi Insi Insi Insi Insi Insi Insi	truments Meters Other (I)(Y) - Number and typ /alves nnectors Relief Devices Ended Lines langes spressors fruments Meters Other 5420a(b)(7)(ix) - Number /alves nnectors Relief Devices Ended Lines langes spressors fruments langes spressors fruments langes spressors fruments		(60,5397a[h)(3)(ii).			
5420a(c)(15)(ii) Coo Pressure Open-Inst \$60. Coo Pressure Coo Inst \$60.	truments Meters Other (I)(T) - Number and typ /alves nectors Relief Devices Ended Lines langes spressors truments Meters Other 5420a(b)(7)(ix) - Number /alves nectors Relief Devices Ended Lines langes spressors		(60,5397a[h)(3)(ii).			



Fugitive Emissions Components Placed on DOR

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".

	Compone	ent		
Q2	N/A	N/A	N/A	N/A
5/9/2019				
0				
Emission ID	Component Type	Current Repair Status	Delay of Repair Explanation / Justificatio	
֡֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	5/9/2019	Q2 N/A 5/9/2019 Emission ID Component	5/9/2019 © Emission ID Component Current Repair	Q2 N/A N/A N/A 5/9/2019 Emission ID Component Current Repair Delay of



Fugitive Emissions Components Repaired During Reporting Period

This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID#	Date of Successful Repair	Repair Confirmation Method / Instrument

Report Generated on: 10/21/2019



Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

All Monitoring Technicians follow a protocol containing technical procedures, training requirements, and individual and team performance audits. This protocol ensures that each crew member follows a prescriptive training program. The training program includes minimum required field times for each module. Each module uses both written testing and on-site work performance audits to evaluate the crew member on their work performance.

Each crew member must successfully complete their training modules to be allowed to work as a member of the main field crew. The protocol also includes an audit program to evaluate work performance on an on-going basis. This system ensures that each crew member is adhering to the procedures and guidelines of the protocol.

Each monitoring technician:

- holds a strong knowledge of oil and gas operations and has a detailed understanding of the various processes that are involved in the transportation and processing on natural gas.
 - 2) is trained (certified) and experienced in the use of fugitive emission detection and measurement equipment;
- has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement.
 - 4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
 - 5) received performance audits to ensure compliance to our prescriptive fugitive emission assessment protocol

The protocol contains technical procedures, training requirements, and individual and team performance audits. The purpose of our assessment protocol is to:

- 1) Maintain a high degree of Quality Control;
- 2) Ensure that all sources of fugitive emissions are identified;
- Ensure that all source data is consistently recorded to provide reliable and effective emission reduction recommendations.

This protocol eliminates the common problems and barriers that cause many programs to fail. Our staff are trained and audited to avoid many of the common fugitive emission program problems. Some of these common problems include:

- . Inexperienced with camera use and the concepts of infrared thermography
- · Not using multiple camera angles
- · Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
 - · Scanning too fast and missing components

Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation.

- Technician Self Check at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
- 2) Team Lead Review at the end of each work day the Team Lead will run a QAQC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
- Project Manager Evaluation on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

Survey Date	OGL Tachaician	Certification Date	Months of OGI Experience
2019-May-09	(D) (O)	2015-Apr-08	54



TRAIL PAD 54 (54, 49, 53, 95)

Annual Report NSPS Subpart OOOOa PERIOD: 08/02/2018 - 08/01/2019

(Facility Record Number 22, 23, 24 and 25)

Prepared By:

Target Emission Services

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WWW.TARGETEMISSION.COM



Company: Dominion Energy District: DEWEX - Wyoming		Report:	Annual LDAR NSPS Subport 0000a			
District:		4 (54, 49, 53, 95)	Regulation(s):	PE	Oct 15, 2019	0
SPS Coord.	(b) (9)	4 [04, 49, 55, 90]	Report Date: Period:	2018-Aug-02	TO	2019-Aug-0
This report sa	manas na radomenter	is or 40 GF IC 900.34208[8](7)		emissions components at the		
		formation required to				
Monitoring	g Quarter	Q2	N/A	N/A	N/A	N/A
Survey Start Date/Time		05/09/2019 10:15 AM	N/A	N/A	N/A	NA
Survey End	Date/Time	05/08/2019 10:40 AM	N/A	NA	N/A	NA
OGI Tecl		(b) (6)	N/A	N/A	N/A	NA
Ambient 1	[emp. ['i]	36	N/A	N/A	N/A	N/A
Sky Con	ditions	Mostly Cloudy, 50%-90% aky is clouds	NA	N/A.	N/A	NA
Max. Wind S	peed (MPH)	10	N/A	N/A	NA	N/A
LDAR Ins	strument	Optical Gas Imaging/GFX- 320	N/A	N/A	N/A	N/A
60.5420a(b)(7)(vi) Monitori		No deviations from the Monitoring Plan	N/A	N/A	N/A	NA
Deviation(s)		N/A	N/A	N/A	N/A	NA
	§80.5420a(b)(7	/(vii) - Number and type o	of components for whi	ch fugitive emissions w	ere detected	10 384
Val						
Conne						-
Pressure Re						_
Open-End						_
Flan						+
Instru						+
Meh						_
Oth						_
		0				_
Total No. of La		_			THE RESERVE TO THE RE	
Total No. of Le §60.54		er and type of fugitive em	sissions components t	hat were not repaired as	required in §60.53	197a(h)
	20a(b)(7)(viii) - Numb	er and type of fugitive em	issions components t	hat were not repaired as	required in §60.53	197a(h)
§60.54	20a(b)(7)(viii) - Numb	er and type of fugitive em	dissions components t	hat were not repaired as	required in §60.53	197a(h)
§60.54	20a(b)(7)(viii) - Numb res ctors	er and type of fugitive em	nissions components t	hat were not repaired as	required in §60.53	197a(h)
§60.54 Valv Conne	20a(b)(7)(viii) - Numb res ctors lief Devices	er and type of fugitive em	issions components t	hat were not repaired as	required in §60.53	197a(h)
§60.54. Valv Conne Pressure Re Open-End	20a(b)(7)(viii) - Numb res ctors lief Devices led Lines	er and type of fugitive em	issions components t	hat were not repaired as	required in §60.53	197a(h)
§60.54 Valv Conne Pressure Rei Open-End Flan	20a(b)(7)(viii) - Numb res ictors list Devices led Lines ges	er and type of fugitive em	issions components t	hat were not repaired as	required in §60.53	197a(h)
§60.54. Valv Conne Pressure Re Open-End	20a(b)(7)(viii) - Numb res cotors lief Devices lief Lines ges tssors	er and type of fugitive em	sissions components t	hat were not repaired as	required in §60.53	197a(h)
§60.54 Valv Conne Pressure Rei Open-End Flam Compre	20a(b)(7)(viii) - Numb ves cotors lief Devices led Lines ges essors ments	er and type of fugitive em	sissions components t	hat were not repaired as	s required in §60.53	197a(h)
§60.54 Vahi Conns Pressure Rei Open-End Flam Compen Instrue	20a(b)(7)(viii) - Numb ves sctors lief Devices led Lines ges sssors ments ers	er and type of fugitive em	sissions components t	hat were not repaired as	s required in §60.53	197a(h)
§60.54 Vah Conne Pressure Re Open-End Flan Compon Instrue Meti 5420a(c)(15)(li)(l)(20a(b)(7)(viii) - Numbres res res res red Lines ges ressors ments ers ref 7) - Number and typ	e of components that wer				
\$60.54 Vah Conne Pressure Rei Open-End Flan Compen Instrue Med OB 5420a(c)(15)(ii)(i)() Vah	20a(b)(7)(viii) - Numbers cotors lief Devices led Lines ges tessors ments ler (7) - Number and types	e of components that wer	re tagged as a result o			
§60.54 Vah Conne Pressure Rei Open-End Flam Comper Instruct Mob Oth 5420a(c)(15)(I)(X) Vah Conne	20a(b)(7)(viii) - Number sets or sets	e of components that wer	re tagged as a result o			
§60.54 Vali Conne Pressure Rei Open-End Flan Comper Instrur Med OB 5420m(c)(15)(ii)(i)() Vali Conne Pressure Rei	20a(b)(7)(viii) - Numbers ictors illed Devices led Lines ges essors ments ers let (7) - Number and typ res ictors lief Devices	e of components that wer	re tagged as a result o			
§60.54 Vah Conne Pressure Re Open-End Flam Compan Instrur Med 5420a(c)(15)(ii)(i)() Vah Coone Pressure Re Open-End	20a(b)(7)(viii) - Numbre constants for such constan	e of components that wer	re tagged as a result o			
§60.54 Vah Conne Pressure Re Open-End Flan Compan Instrum Meh 5420a(c)(15)(II)(I)(I) Vah Conne Pressure Re Open-End Flan Flan	20a(b)(7)(viii) - Numb rectors lief Devices led Lines ges resors ments ers er 7) - Number and typ res ectors lief Devices	e of components that wer	re tagged as a result o			
§60.54 Vah Conne Pressure Re Open-End Flam Compan Instrur Med Oth 5420a(c)(15)(ii)(i)() Vah Conne Pressure Re Open-End	20a(b)(7)(viii) - Numbers res res res res res res res res res	e of components that wer	re tagged as a result o			
\$60.54 Vah Conne Pressure Re Open-End Flan Compre Instrue Met 5420a(c)(15)(ii)(i)() Veh Ceesa Pressure Re Open-End Flan Compre	20a(b)(7)(viii) - Numbers led Lines led Lines led Lines lers lers lers lers lers lers lers le	e of components that wer	re tagged as a result o			
\$60.54 Vah Conne Pressure Re Open-End Flam Comper Instrue Mob 5420m(c)(15)(ii)(i)) Veh Coose Pressure Re Open-End Flam Compre instrue Meb	20a(b)(7)(viii) - Numbers controls ind Devices led Lines ges ersors mants ers er 7) - Number and typ res cotors lief Devices led Lines ges essors mants ers err res cotors lief Devices led Lines ges ges essors ments ers	e of components that wer	re tagged as a result o			
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\$60.54 Vah Conne Pressure Re Open-End Flam Comper Instrue Mes 5420m(c)(15)(ii)(i)() Veh Conne Pressure Re Open-End Flam Comper instrue Mes Oth \$60.542	20a(b)(7)(viii) - Numbers colors Get Devices led Lines ges ers ers err 7) - Number and typ res colors lief Devices led Lines ges err 20a(b)(7)(ix) - Number res	e of components that wer	e tagged as a result o §60.5397a(h)(3)(ii)	not being repaired duri	ng the monitoring	survey as require
\$60.54 Vah Conne Pressure Re Open-End Flam Compon Instrue Med 5420a(c)(15)(ii)(i)() Vah Conne Pressure Re Open-End Flam Compon Instrue Med Flam Compon Instrue Med Oth \$60.542	20a(b)(7)(viii) - Numbers cotors illed Devices led Lines ges ensors ments errs err 7) - Number and typ res cotors field Devices led Lines ges cotors field Devices led Lines ges cotors led Lines ges cotors err 20a(b)(7)(ix) - Number res cotors	e of components that wer	e tagged as a result o §60.5397a(h)(3)(ii)	not being repaired duri	ng the monitoring	survey as require
\$60.54 Vah Conne Pressure Re Open-End Flam Compyn Instrum Med Oth 5420a(c)(15)(II)(I)(I) Vah Conne Pressure Re Open-End Flam Compyn Instrum Med Oth \$60.542	20a(b)(7)(viii) - Numbers cotors lief Devices led Lines ges ressors rents ler 7) - Number and typ res cotors led Lines ges ressors res led Lines ges cotors led Lines ges led Lines led Lines led Lines ges led Lines ges led Lines led	e of components that wer	e tagged as a result o §60.5397a(h)(3)(ii)	not being repaired duri	ng the monitoring	survey as require
\$60.54 Vah Conne Pressure Re Open-End Flan Compon Instruct Met 5420a(c)(15)(II)(I)(I) Vah Conne Pressure Re Open-End Flan Compon Instruct Met Oth \$60.54	20a(b)(7)(viii) - Numbers cotors def Devices def Lines ges cotors def Lines ges cotors der 7) - Number and typ res cotors def Lines ges cotors def Lines ges cotors def Lines ges cotors def Lines ges cotors def Lines der 20a(b)(7)(ix) - Number cotors def Devices def Devices def Lines def Devices def Lines	e of components that wer	e tagged as a result o §60.5397a(h)(3)(ii)	not being repaired duri	ng the monitoring	survey as require
\$60.54 Valv Conne Pressure Rei Open-End Flam Compen Instrue Mob 5420a(c)(15)(li)(l)() Valv Conne Pressure Rei Open-End Flam Compri Instrue Mob Oth Flam Compri Instrue Mob Oth S60.542 Valv Conne Pressure Rei Open-End Flam Compri Instrue Flam Conne Flam Flam Flam Flam Flam Flam Flam Flam	20a(b)(7)(viii) - Numbers cotors (inf Devices led Lines ges essors ments err (7) - Number and typ res cotors (inf Devices led Lines ges essors ments err 20a(b)(7)(ix) - Number ers inf Devices led Lines ges ers fine devices led Lines ges ers fine devices led Lines ges ers cotors lines fine devices led Lines ges	e of components that wer	e tagged as a result o §60.5397a(h)(3)(ii)	not being repaired duri	ng the monitoring	survey as require
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\$60.54 Valv Conne Pressure Re Open-End Flan Comper Instrue Mes 5420a(c)(15)(ii)(i) Veh Coone Pressure Re Open-End Flan Comper Instrue Mes Oth \$60.542 Valv Conne Pressure Re Open-End Conne Pressure Re Open-End Conne Pressure Re Open-End Conne Pressure Re Open-End Conne	20a(b)(7)(viii) - Numbers cotors illed Devices led Lines ges ressors ressors led Lines ges ressors led Lines ges ressors led Lines ges led Lines led L	e of components that wer	e tagged as a result o §60.5397a(h)(3)(ii)	not being repaired duri	ng the monitoring	survey as require



This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".

Q2	AUA	THE RESIDENCE OF THE PARTY.	THE RESERVE OF THE PERSON NAMED IN	
THE RESERVE OF THE PARTY OF THE	N/A	N/A	N/A	N/A
5/9/2019				
		0		
Emission ID	Component Type	Current Repair Status	Delay of Explanation /	Commence of the commence of th
		Emission ID Component	Emission ID Component Current Repair	Emission ID Component Current Repair Delay of



This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID#	Date of Successful Repair	Repair Confirmation Method / Instrument



Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

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- 2) Ensure that all sources of fugitive emissions are identified;
- Ensure that all source data is consistently recorded to provide reliable and effective emission reduction recommendations.

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Survey Date	Survey Date OGI Technician		Months of OGI Experience	
2019-May-09	(b) (6)	2015-Apr-08	54	



TRAIL PAD 68 (68, 67, 71, 104)

Annual Report NSPS Subpart OOOOa PERIOD: 08/02/2018 - 08/01/2019

(Facility Record Number 20, 26, 27 and 28)

Prepared By:

Target Emission Services

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Monitoring Quart Survey Start Date/ Survey End Date/ OGI Technician Ambient Temp. (Sky Conditions Max. Wind Speed (I	TRAIL PAD 68 9) The requirement inter Time	- Wyoming (68, 67, 71, 104) is of 40 CFR \$60.5420±(b)(7) formation required to Q2 05/16/2019 10:14 AM 05/16/2019 10:36 AM		2018-Aug-02 emissions components at the		2019-Aug-0
Monitoring Quart Survey Start Date/ Survey End Date/ OGI Technician Ambient Temp. (Sky Conditions Max. Wind Speed ()	9) the requirement inter Time	s of 40 CFR \$60.5420\(\dot{\dot}\)(7) formation required to Q2 05/18/2019 10:14 AM 05/16/2019	Period: for the collection of fugitive be reported per §6 N/A	emissions components at the 0.5420a(b)(7)(i) - (vi)	TO above referenced comp	
Monitoring Quart Survey Start Date/ Survey End Date/ OGI Techniclar Ambient Temp. (Sky Conditions Max. Wind Speed ()	In ter	05/16/2019 05/16/2019 10:14 AM	for the collection of fugitive be reported per §6 N/A	emissions components at the 0.5420a(b)(7)(i) - (vi)	above referenced comp	
Monitoring Quart Survey Start Date/I Survey End Date/I OGI Techniclar Ambient Temp. (Sky Conditions Max. Wind Speed (I	In ter	05/16/2019 05/16/2019 10:14 AM	be reported per §6 N/A	0.5420a(b)(7)(i) - (vi)		
Survey Start Date/ Survey End Date/ OGI Techniclar Ambient Temp. (Sky Conditions Max. Wind Speed (Time	Q2 05/16/2019 10:14 AM 05/16/2019	N/A			
Survey Start Date/ Survey End Date/ OGI Techniclar Ambient Temp. (Sky Conditions Max. Wind Speed (Time	05/16/2019 10:14 AM 05/16/2019			N/A	N/A
OGI Technician Appendi to con tabasas Yanni Ambient Temp. (Sky Conditions Max. Wind Speed ()	Time	10:14 AM 05/16/2019	NAME			
OGI Technician Appendi to con tabassa Yaman Ambient Temp. (Sky Conditions Max. Wind Speed (I			190	NA	N/A	N/A
Ambient Temp. (Sky Conditions Max. Wind Speed (i			NA	N/A	NA	NIA
Sky Conditions Max. Wind Speed (I		(b) (b)	NA	NA	NA	NA
Max, Wind Speed (I	FI	70	NA.	NA	N/A	N/A
		Partly Cloudy, 10%-50% sky is clouds	NA.	NA	NA	N/A
LDAR Instrume	мрн)	9	N/A	N/A	N/A	NIA
	nt	Optical Gas Imaging/GFX- 320	NA	N/A	NA	N/A
60.5420a(b)(7)(vi) Devia Monitoring Plan		No deviations from the Monitoring Plan	N/A.	N/A	NA	NA
Deviation(s) Explan		N/A	NA	N/A	NA	N/A
	§60.5420a(b)(7	(vii) - Number and type o	of components for whi	ch fugitive emissions w	ere detected	
Valves		1				
Connectors						-
Pressure Relief Devi						
Open-Ended Lines						-
Flanges						_
Compressors						+
Instruments						_
Other						_
Total No. of Leaks Det	ante d					_
		er and type of fugitive em	designs components	hat were not renalized a	required to \$60.53	97a/h)
	(Main) - sequinos	er and type or regitive em	issions components	rias were not repaired in	required in gov.oa	as after
Valves						
Connectors						
Pressure Relief Devi	ces					
Open-Ended Lines						
Flanges						
Compressors						
Instruments						
Meters						
Other						
5420a(c)(15)(ii)(i)(7) - Nu	mber and type	of components that were	e tagged as a result o §60.5397a(h)(3)(ii).	f not being repaired dur	ng the monitoring :	survey as require
Valves Connectors						-
Pressure Relief Devi	ces					1
Open-Ended Line						1
Flanges						1
Compressors						1
Instruments						_
Meters						_
Other						+
The second second	7)(ix) - Number	and type of difficult-to-m	nonitor and unsafe to-	monitor fugitive emission	in components mor	altored
Valves						T
Connectors						
Pressure Relad Devi						
Open-Ended Lines						
Flanges						
Compressors						
Instruments						
Meters						
Other						



This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".

	Compone	ent		
Q2	N/A	N/A	N/A	N/A
5/16/2019				
		0		
Emission ID	Component Type	Current Repair Status		
	5/16/2019	Q2 N/A 5/16/2019 Emission ID Component	Q2 N/A N/A 5/16/2019 Emission ID Component Current Repair	Q2 N/A N/A N/A 5/16/2019 0 Emission ID Component Current Repair Delay of



This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID#	Date of Successful Repair	Repair Confirmation Method / Instrument
2019-05-16	24210154	2019-May-16	OGI



Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

All Monitoring Technicians follow a protocol containing technical procedures, training requirements, and individual and team performance audits. This protocol ensures that each crew member follows a prescriptive training program. The training program includes minimum required field times for each module. Each module uses both written testing and on-site work performance audits to evaluate the crew member on their work performance.

Each crew member must successfully complete their training modules to be allowed to work as a member of the main field crew. The protocol also includes an audit program to evaluate work performance on an on-going basis. This system ensures that each crew member is adhering to the procedures and guidelines of the protocol.

Each monitoring technician:

- 1) holds a strong knowledge of oil and gas operations and has a detailed understanding of the various processes that are involved in the transportation and processing on natural gas.
 - 2) is trained (certified) and experienced in the use of fugitive emission detection and measurement equipment,
- has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement
 - 4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
 - 5) received performance audits to ensure compliance to our prescriptive fugitive emission assessment protocol

The protocol contains technical procedures, training requirements, and individual and team performance audits. The purpose of our assessment protocol is to:

- 1) Maintain a high degree of Quality Control;
- 2) Ensure that all sources of fugitive emissions are identified;
- Ensure that all source data is consistently recorded to provide reliable and effective emission reduction recommendations.

This protocol eliminates the common problems and barriers that cause many programs to fail. Our staff are trained and audited to avoid many of the common fugitive emission program problems. Some of these common problems include:

- · Inexperienced with camera use and the concepts of infrared thermography
- · Not using multiple camera angles
- · Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
 - Scanning too fast and missing components

Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation:

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- 2) Team Lead Review at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
- Project Manager Evaluation on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

	Survey Date	OGI Technician	Certification Date	Months of OGI Experience
Г	2019-May-16	G Allen	2015-Apr-08	54



TRAIL PAD 84 (84, 82, 83)

(Facility Record Number 2, 3 and 45)

Annual Report
NSPS Subpart OOOOa
PERIOD: 08/02/2018 - 08/01/2019

Prepared By:

Target Emission Services

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Company: Dominion Energy District: DEWEX - Wyoming		Report:	Annual LDAR			
				NSPS Subpart 0000a Oct 15, 2019		
cility Name:		0 64 (84, 82, 83)	Report Date:	2010 4 20		2010 4
This report s	(b) (9) satisfies the requirement	nts of 40 CFR§60.5420a(b)(7)	Period: for the collection of fugitive	2018-Aug-02 emissions components at the	TO above referenced comp	2019-Aug- pressor station.
		formation manipad to	he remeded are 60	10 5420=(b)(7)(l) (c)		
Monitoring Quarter		nformation required to	N/A	N/A	N/A	N/A
Survey Start Date/Time		05/16/2019	N/A	N/A	N/A	N/A
Survey Start Date/Time		11:47 AM				
Survey End Date/Time		05/16/2019 12:10 PM	N/A	N/A	N/A	NA
	chnician kian Training and (aperience)	(b) (6)	N/A	N/A	N/A	N/A
Ambient	Temp. (°F)	72	NA	N/A	N/A	N/A
Sky Co	nditions	Partly Cloudy, 10%-50% sky is clouds	N/A	N/A	N/A	NA
Max. Wind 8	Speed (MPH)	10	NA	N/A	N/A	N/A
	strument	Optical Gas Imaging/GFX- 320	N/A	N/A	N/A	N/A
	i) Deviations from ing Plan	No deviations from the Monitoring Plan	N/A	N/A	N/A	N/A
Deviation(s)	Explanation	N/A	N/A	N/A	N/A	N/A
1 1 2 13	§60.5420a(b)(7	7)(vii) - Number and type o	f components for whi	ch fugitive emissions w	ere detected	YEN.
	lves					
	ectors					-
	elief Devices					_
	ded Lines					_
	nges					
	ressors					_
	ments					-
	ters					+
Ot Total No. of I		0				
Total No. of L	eaks Detected	0	lantour components	that was not required a	e required in ECS ES	107allah
Total No. of L §60.54	eaks Detected 120a(b)(7)(viii) - Numb	oper and type of fugitive em	issions components t	that were not repaired a	s required in §60.53	97a(h)
Total No. of L §60.54 Va	eaks Detected 120a(b)(7)(viii) - Numb ives	Charles and the same of the sa	issions components t	that were not repaired a	s required in §60.53	197a(h)
Total No. of L §60,54 Val	eaks Detected 120a(b)(7)(viii) - Numb Ives ectors	Charles and the same of the sa	issions components t	that were not repaired a	s required in §60.53	197a(h)
Total No. of L §60,54 Val Conn Pressure Re	eaks Detected 120a(b)(7)(viii) - Numb Ives ectors elief Devices	Charles and the same of the sa	issions components t	hat were not repaired a	s required in §60.53	97a(h)
Total No. of L §60.54 Val Conn Pressure R Open-En	eaks Detected 120a(b)(7)(viii) - Nurnt ives ectors elief Devices ded Lines	Charles and the same of the sa	issions components t	that were not repaired a	s required in §60,53	997a(h)
Total No. of L §60.54 Val Conn Pressure R Open-En	eaks Detected 120a(b)(7)(viii) - Numb Ives ectors elief Devices	Charles and the same of the sa	issions components t	that were not repaired a	s required in §60.53	997a(h)
Total No. of L §60,54 Val Conn Pressure R Open-En Flat Compt	eaks Detected \$20a(b)(7)(viii) - Numb Ives ectors ellef Devices ded Lines nges ressors	Charles and the same of the sa	issions components t	that were not repaired a	s required in §60,53	97a(h)
Total No. of L §60,54 Val Conn Pressure Ri Open-En Flat Compilinstru	eaks Detected \$20a(b)(7)(viii) - Numb ves ectors eidef Devices ded Lines ressors ments	Charles and the same of the sa	issions components t	that were not repaired a	s required in §60,53	197a(h)
Total No. of L §60,54 Val Conn Pressure Ri Open-En Flai Compi Instru	eaks Detected \$20a(b)(7)(viii) - Nurnt tives ectors elief Devices ded Lines nges ressors ments ters	Charles and the same of the sa	issions components t	hat were not repaired a	s required in §60,53	997a(h)
Total No. of L §60,54 Val Conn Pressure Ri Open-En Fiar Cempil Instru Me	eaks Detected \$20a(b)(7)(viii) - Numb ives ectors elief Devices ded Lines ages ressors rements ters her	Charles and the same of the sa				
Total No. of L §60,54 Val Conn Pressure R Open-En Flat Computer Instru Me 6420a(c)(15)(ii)(i)	eaks Detected \$20a(b)(7)(viii) - Numb ives ectors elief Devices ded Lines ages ressors rements ters her	per and type of fugitive em				
Total No. of L §60.54 Val Conn Pressure Ri Open-En Flai Compi Instru Me Ot (420a(c)(15)(i)(i)	eaks Detected \$20a(b)(7)(viii) - Numb tives ectors elief Devices ded Lines nges ressors iments ters her ((7) - Number and typ	per and type of fugitive em	e tagged as a result o			
Total No. of L §60.54 Val Conn Pressure Ri Open-En Flat Compilinstru Me Ot 6420a(c)(15)(i)(i) Voi Conn	eaks Detected \$20a(b)(7)(viii) - Numb \$20a(b	per and type of fugitive em	e tagged as a result o			
Total No. of L §60.54 Val Conn Pressure Ri Open-En Flat Compilinstru Me Ot 6420a(C)(15)(ii)(!) Val Conn Pressure Ri	eaks Detected \$20a(b)(7)(viii) - Numb lives ectors ectors ellef Devices ded Lines ages ressors iments ters her ((7) - Number and typ lives ectors	per and type of fugitive em	e tagged as a result o			
Total No. of L §60.54 Val Conn Pressure Ri Open-En Flat Compil Instru Me Ot 6420a(c)(15)(i)(l) Val Conn Pressure Ri Open-En	eaks Detected \$20a(b)(7)(viii) - Numb Ives ectors elief Devices ded Lines ages ressors iments fers her (7) - Number and typ Ives ectors elief Devices	per and type of fugitive em	e tagged as a result o			
Total No. of L §60,54 Val Conn Pressure Ri Open-En Flai Compi Instru Me Ot 420a(c)(15)(ii)(I) Val Conn Pressure Ri Open-En	eaks Detected \$20a(b)(7)(viii) - Numb Ives ectors elief Devices ded Lines ages ressors ments ters her (7) - Number and typ Ives ectors elief Devices ded Lines	per and type of fugitive em	e tagged as a result o			
Total No. of L §60.54 Vai Conn Pressure Ri Open-En Flai Compilenstru Me Ot 6420a(c)(15)(ii)(I) Vai Conn Pressure Ri Open-En Flai Compilenstru Compilenstru Conn Pressure Ri Compilenstru Compil	eaks Detected \$20a(b)(7)(viii) - Numb Ives ectors elief Devices ded Lines nges ressors ments ters her ((7) - Number and typ Ives elief Devices ded Lines her ((7) - Number and typ Ives elief Devices ded Lines nges	per and type of fugitive em	e tagged as a result o			
Total No. of L §60, 54 Val Conn Pressure Ri Open-En Flat Compi Instru Me Ot 420a(c)(15)(i)(i) Conn Pressure Ri Open-En Flat Compi Instru Compi Instru Conn Pressure Ri Compi Flat Compi Instru	eaks Detected \$20a(b)(7)(viii) - Nurnit lives ectors ellef Devices ded Lines nges ressors ments ters her ((7) - Number and typ lives ectors edd Lines ded Lines nges ressors	per and type of fugitive em	e tagged as a result o			
Total No. of L §60.54 Val Conn Pressure Ri Open-En Flat Cempy Instru Me Ot 6420a(C)(15)(ii)(I) Val Conn Pressure Ri Open-En Flat Compy Instru Me Me Me Me Me Me Me Me Me M	eaks Detected \$20a(b)(7)(viii) - Nurnk lives ectors ectors ellef Devices ded Lines ages ments ters her ((7) - Number and typ Nes ectors ellef Devices ded Lines ages ments ters her ((7) - Number and typ Nes ectors ellef Devices ded Lines ages messors ments	per and type of fugitive em	e tagged as a result o			
Total No. of L §60.54 Val Conn Pressure Ri Open-En Flat Cempp Instru Me O4 420a(c)(15)(i)(i) Val Conn Pressure Ri Open-En Flat Comptility Me Conn Me Otheria En Flat Comptility Me Otheria En Comptility Me Otheria En Comptility Me Otheria En Open-En Flat Comptility Me Otheria En Open-En Flat Comptility Me Otheria En Otheria	eaks Detected \$20a(b)(7)(viii) - Nurnk lives ectors ectors ellef Devices ded Lines ages ments ters her ((7) - Number and typ lives ectors ellef Devices ded Lines ages ressors ments ters her ectors ellef Devices ded Lines ages ressors ments ters her	per and type of fugitive em	e tagged as a result o ge0.5397a(h)(3)(ii)	f not being repaired dur	ing the monitoring	survey as require
Total No. of L §60.54 Val Conn Pressure Ri Open-En Flat Cempy Instru Me 6420a(c)(15)(ii)(i) Val Conn Pressure Ri Open-En Flat Compy Instru Me Ot 540.54	eaks Detected \$20a(b)(7)(viii) - Nurnit lives ectors ectors elief Devices ded Lines ages ressors rements ters her (7) - Number and typ exes ectors elief Devices ded Lines ages ressors rements ters her \$20a(b)(7)(ix) - Number ressors	per and type of fugitive em	e tagged as a result o ge0.5397a(h)(3)(ii)	f not being repaired dur	ing the monitoring	survey as require
Total No. of L §60.54 Val Conn Pressure Ri Open-En Fiat Compilinstru Me Ot 6420a(c)(15)(ii)(i) Val Conn Pressure Ri Open-En Fiat Compilinstru Me Ot \$60.54	eaks Detected \$20a(b)(7)(viii) - Numb Ives ectors ectors ellef Devices ded Lines ages ressors ments fers her (7) - Number and typ Ives ectors ellef Devices ded Lines ages ressors ments fers her (20a(b)(7)(ix) - Number Ives ectors	per and type of fugitive em	e tagged as a result o ge0.5397a(h)(3)(ii)	f not being repaired dur	ing the monitoring	survey as require
Total No. of L §60.54 Val Conn Pressure Re Open-En Flat Compile Instru Me Ot (420a(c)(15)(i)(l) Val Conn Pressure Re Open-En Flat Compile Instru Mo Ot §60.54	eaks Detected \$20a(b)(7)(viii) - Numb Ives ectors ectors elief Devices ded Lines ages ressors iments ters her (7) - Number and typ Ives ectors elief Devices ded Lines ages ressors iments ters her (20a(b)(7)(ix) - Number Ives ectors elief Devices ectors ectors ectors ectors	per and type of fugitive em	e tagged as a result o ge0.5397a(h)(3)(ii)	f not being repaired dur	ing the monitoring	survey as require
Total No. of L §60.54 Vai Conn Pressure Ri Open-En Flai Cempi Instru Me Ot 420a(c)(15)(ii)(I) Vai Conn Pressure Ri Open-En Flai Compi Instru Me Ot §60.54 Vai Conn Pressure Ri Open-En	eaks Detected \$20a(b)(7)(viii) - Nurnit lives ectors ectors elief Devices ded Lines nages ressors ments ters her ((7) - Number and typ lives ectors elief Devices ded Lines nages ressors ments ters her 20a(b)(7)(ix) - Number lives ectors elief Devices ded Lines	per and type of fugitive em	e tagged as a result o ge0.5397a(h)(3)(ii)	f not being repaired dur	ing the monitoring	survey as require
Total No. of L §60, 54 Val Conn Pressure Ri Open-En Flai Compi Instru Val 420a(c)(15)(ii)(ii) Conn Pressure Ri Open-En Flai Compi Instru Me Ot §60, 54 Val Conn Pressure Ri Open-En Flai Flai Compi Instru Me Ot Flai Conn Fressure Ri Flai Corport Flai Flai Corport Flai Flai Flai Corport Flai Fla	eaks Detected \$20a(b)(7)(viii) - Nurnit lives ectors ectors elief Devices ded Lines ages ressors iments ters her ((7) - Number and typ Nes ectors elief Devices ded Lines ages ressors iments ters her (20a(b)(7)(ix) - Number Nes ectors elief Devices ded Lines ages ectors elief Devices ded Lines her (20a(b)(7)(ix) - Number Nes ectors elief Devices ded Lines ages	per and type of fugitive em	e tagged as a result o ge0.5397a(h)(3)(ii)	f not being repaired dur	ing the monitoring	survey as require
Total No. of L §60.54 Val Conn Pressure Ri Open-En Flat Cempj Instru Me Conn Pressure Ri Open-En Flat Compi Instru Me Conn Pressure Ri Open-En Flat Compi Instru Me Ot Seo.54 Val Conn Pressure Ri Compi Fressure Ri Compi Conn Pressure Ri Compi Conn Pressure Ri Compi Conn Pressure Ri Compi Co	eaks Detected \$20a(b)(7)(viii) - Nurnit lives ectors ectors elief Devices ded Lines ages ressors rements ters her ((7) - Number and typ exes ectors elief Devices ded Lines ages ressors rements ters her \$20a(b)(7)(ix) - Number ectors ectors ectors ectors ded Lines ages ressors	per and type of fugitive em	e tagged as a result o ge0.5397a(h)(3)(ii)	f not being repaired dur	ing the monitoring	survey as require
Total No. of L §60.54 Val Conn Pressure Ri Open-En Fiat Compilinstru Me Ot 6420a(c)(15)(ii)(i) Val Conn Pressure Ri Compilinstru Me Ot \$60.54 Val Conn Pressure Ri Open-En Fiat Compilinstru Me Ot \$60.54	eaks Detected \$20a(b)(7)(viii) - Numb Ives ectors ectors elief Devices ded Lines ages ressors ments fers her (7) - Number and typ Ives ectors elief Devices ded Lines ages ressors ments fers her 120a(b)(7)(ix) - Number Ives ectors elief Devices ded Lines ages ressors ments fers her 120a(b)(7)(ix) - Number Ives ectors ectors elief Devices ded Lines ages ressors ments fers her 120a(b)(7)(ix) - Number Ives ectors e	per and type of fugitive em	e tagged as a result o ge0.5397a(h)(3)(ii)	f not being repaired dur	ing the monitoring	survey as require
Total No. of L §60.54 Vai Conn Pressure Ri Open-En Flai Cempi Instru Me Ot 420a(c)(15)(ii)(I) Vai Conn Pressure Ri Open-En Flai Compi Instru Me Ot §60.54 Vai Conn Pressure Ri Open-En Flai Compi Instru Me Ot Me Me Ot Me Ot Me Ot Me Ot Me Me Ot Me Ot Me Me Me Me	eaks Detected \$20a(b)(7)(viii) - Nurnit lives ectors ectors elief Devices ded Lines ages ressors rements ters her ((7) - Number and typ exes ectors elief Devices ded Lines ages ressors rements ters her \$20a(b)(7)(ix) - Number ectors ectors ectors ectors ded Lines ages ressors	per and type of fugitive em	e tagged as a result o ge0.5397a(h)(3)(ii)	f not being repaired dur	ing the monitoring	survey as require



This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".

		Compone	ent		
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	5/16/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR			0		
Date Surveyed	Emission ID	Component Type	Current Repair Status	Delay of Explanation /	



This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

	Date Surveyed	Emission ID #	Date of Successful Repair	Repair Confirmation Method / Instrument
--	---------------	---------------	------------------------------	--



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Survey Date	Survey Date OGI Technician		Months of OGI Experience	
2019-May-16	(b) (6)	2015-Apr-08	54	



TRAIL PAD 155 (155, 105, 106, 177)

(Facility Record Number 4, 5, 6 and 46)

Annual Report
NSPS Subpart OOOOa
PERIOD: 08/02/2018 - 08/01/2019

Prepared By:

Target Emission Services

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Company: Dominion Energy		Report:	Annual LDAR				
District: DEWEX - Wyoming actility Name: TRAIL PAD 155 (155, 105, 1)					NSPS Subpart OOOOa		
mently statistics		(155, 105, 106, 177)	Report Date:	Oct 15, 2019			
GPS Coord. This report	Coord. (9) This report satisfies the requirements of 40 CFR §60.54(0a(b)(7)		Period: for the collection of fugitive	2018-Aug-02 emissions components at the	TO above referenced come	2019-Aug-	
Trea report	addance one requirement	10 01 10 01 11 gus.5420a(ta)(2)	tor the conscion or regions	remandos composicino ar tro	above reservations comp	aceson stations	
		formation required to				-	
Monitoring Quarter		Q2	N/A	N/A	N/A	N/A	
Survey Start Date/Time		05/16/2019 10:47 AM	NA.	N/A	NA	NA	
Survey End Date/Time		05/16/2019 11:11 AM	NA	N/A	N/A	N/A	
OGI Technician (see Appendis for GC fectorism Instrug and Experience)		(b) (6)	NA	N/A	NIA	N/A	
Ambien	t Temp. (°F)	72	N/A	N/A	NA	N/A	
Sky C	onditions	Partly Cloudy, 10%-50% sky is clouds	NA	NA	N/A	N/A	
Max. Wind	Speed (MPH)	9	N/A.	N/A	N/A	N/A	
LDAR	nstrument	Optical Gas Imaging/GFX- 320	NA	N/A	NA	N/A	
	vi) Deviations from oring Plan	No deviations from the Monitoring Plan,	NA	NA	NA	NA	
Deviation(s	s) Explanation	N/A	NA	N/A	NA	N/A.	
1 2 3	§60.5420a(b)(7)(vii) - Number and type of	of components for whi	ch fugitive emissions w	ere detected		
	alves						
	nectors					-	
	Relief Devices					+	
	nded Lines					+	
	anges	1				+	
	pressors					_	
	ruments	_				_	
	eters					_	
	Other					-	
Total No. of	Leaks Detected	1					
660.5	5420a(b)(7)(viii) - Numb	er and type of fugitive em	dissions components t	that were not repaired as	required in §60.53	97a(h)	
						_	
	alves						
Con	mectors					_	
Con Pressure	nectors Relief Devices						
Pressure Open-E	mectors Reflet Devices inded Lines						
Pressure I Open-E	mectors Reflet Devices Inded Lines anges						
Pressure I Open-E FI Com	mectors Reflet Devices inded Lines anges pressors						
Con Pressure I Open-E FI Com Inst	nectors Relief Devices Inded Lines anges pressors ruments						
Con Pressure I Open E FI Com Inst	mectors Refief Devices inded Lines anges pressors ruments leters						
Con Pressure Open-E Pr Com Inst M	mectors Reflef Devices inded Lines anges pressors ruments leters						
Con Pressure I Open-E FI Com Inst M (5420a(c)(15)(ii))	nectors Relief Devices Inded Lines Inges I	e of components that wer	re tagged as a result o §60.5397a(h)(3)(ii).	f not being repaired duri	ing the monitoring	survey as require	
Con Pressure Open-E Fi Com Inst M 5420a(c)(15)(ii)	mectors Reflef Devices inded Lines anges pressors ruments leters			f not being repaired duri	ing the monitoring	survey as require	
Con Pressure I Open-E FI Com Inst M (5420a(c)(15)(i)) V Con	mectors Reflief Devices inded Lines anges pressors ruments leters 20ser (II)(7) – Number and typ			f not being repaired duri	ing the monitoring	survey as require	
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This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(xi), "number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair".

		Compone	ent		
Quarter	Q2	N/A	N/A	N/A	N/A
Survey Date	5/16/2019				
Valves					
Connectors					
Pressure Relief Devices					
Open-Ended Lines					
Flanges					
Compressors					
Instruments					
Meters					
Other					
Total No. of Leaks on DOR	0				
Date Surveyed	Emission ID	Component Type	Current Repair Status	Delay of Repair Explanation / Justificat	



This summary satisfies the annual reporting requirements of §60.5420a(b)(7)(x), "date of successful repair of the fugitive emission component" and §60.5420a(b)(7)(xii), "type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding".

Date Surveyed	Emission ID #	Date of Successful Repair	Repair Confirmation Method / Instrument
2019-05-16	24210155	2019-May-15	OGI
2019-05-16	24210155	2019-May-21	Snoop



Monitoring surveys are performed by personnel that are trained in the proper operation of the OGIC (Optical Gas Imaging Camera) to be used in the monitoring survey and that have prior experience using OGICs for the purposes of identifying fugitive emissions. Additionally, monitoring personnel are familiar with the types of equipment located at a natural gas compressor station. All monitoring personnel review each site specific monitoring plan prior to performing monitoring surveys at the Facility.

All Monitoring Technicians follow a protocol containing technical procedures, training requirements, and individual and team performance audits. This protocol ensures that each crew member follows a prescriptive training program. The training program includes minimum required field times for each module. Each module uses both written testing and on-site work performance audits to evaluate the crew member on their work performance.

Each crew member must successfully complete their training modules to be allowed to work as a member of the main field crew. The protocol also includes an audit program to evaluate work performance on an on-going basis. This system ensures that each crew member is adhering to the procedures and guidelines of the protocol.

Each monitoring technician

- holds a strong knowledge of oil and gas operations and has a detailed understanding of the various processes that are involved in the transportation and processing on natural gas.
 - 2) is trained (certified) and experienced in the use of fugitive emission detection and measurement equipment;
- has a minimum of 1000 hours of experience on the use of optical gas imaging, ultrasonic leak detection and emission flow rate measurement
 - 4) maintains required safety training and strong understanding of applicable TARGET Safe Operating Procedures; and
 - 5) received performance audits to ensure compliance to our prescriptive fugitive emission assessment protocol

The protocol contains technical procedures, training requirements, and individual and team performance audits. The purpose of our assessment protocol is to:

- 1) Maintain a high degree of Quality Control;
- 2) Ensure that all sources of fugitive emissions are identified;
- Ensure that all source data is consistently recorded to provide reliable and effective emission reduction recommendations.

This protocol eliminates the common problems and barriers that cause many programs to fail. Our staff are trained and audited to avoid many of the common fugitive emission program problems. Some of these common problems include:

- . Inexperienced with camera use and the concepts of infrared thermography
- · Not using multiple camera angles
- · Constantly moving the camera from scene to scene without pausing in each view to look for gas images
- Many leaks are missed by relying solely on the automatic mode (manual mode can be more effective in certain situations)
 - · Scanning too fast and missing components

Accurate data collection and entry is crucial to maintaining an effective Fugitive Emission Management Program. The data management protocol includes a data QA/QC review process that contains three levels of evaluation:

- Technician Self Check at the end of each assessment the technician must review each emission entry to locate and remediate any data inconsistencies
- 2) Team Lead Review at the end of each work day the Team Lead will run a QA/QC evaluation on each assessment and emission to ensure that data has been entered following the TARGET Protocol.
- 3) Project Manager Evaluation on a weekly basis the project manager will run all emission data through a QA/QC data evaluation to detect and eliminate any inconsistencies.

Survey Date	OGI Technician	Certification Date	Months of OGI Experience
2019-May-16	(b) (6)	2015-Apr-08	54